

**Flood Control Project Maintenance  
Levee Inspections****LMA District Cover Sheet****Spring 2013 Levee Inspection Results****Reclamation District No. 0150 Merrit Island**

	Spring (March - May)	Summer ** (June - August)	Fall (September - November)	Winter ** (December - February)
* Overall LMA Rating (Fall Only)				

\*\* Non-receipt of Summer or Winter Inspection Reports may effect overall annual rating.

\*

SPRING INSPECTIONS: Overall maintenance ratings are not determined for the spring inspection results. Individual maintenance deficiencies are rated using the same criteria in the spring and in the fall.

FALL INSPECTIONS: The overall maintenance rating shown above is based on operation and maintenance deficiencies identified within the attached unit inspection reports. This rating is not intended to be an indication of risk.

Comments


**Flood Control Project Maintenance  
Levee Inspections**

**Unit Cover Sheet**

**Spring 2013 Levee Inspection Results**

**Reclamation District No. 0150 Merrit Island**

Waterway			Bank	Unit Miles
Unit No. 01 Sutter Slough			Left	0.54
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	03/14/2013 - 03/14/2013			
DWR Inspector	Pavel Kazi			
Accompanied By				

**Summer & Winter Inspections**

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

*The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.*

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2013**

**Reclamation District No. 0150 Merrit Island**

Waterway				Bank	Unit Miles	Inspection Start/End	Inspector	
Unit No. 01 Sutter Slough				Left	0.54	03/14/2013 03/14/2013	Pavel Kazi	

LMA No.	Levee Mile		Category	Item	* Location	** Rating	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End						Start	End	Photo
1				Operations & Maintenance Manuals	WS	A Ma	Inspector Comments: This LMA has the updated O&M manuals for their district.	°	°	4
								°	°	
								DWR ID: DWR_RD0150_01_s_2013_4		
2				Emergency Supplies & Equipment	WS	A Ma	Inspector Comments: This LMA has adequate amount of flood fighting materials in a centralized location.	°	°	5
								°	°	
								DWR ID: DWR_RD0150_01_s_2013_5		
3				Flood Preparedness & Training	WS	A Ma	Inspector Comments: The crew of this LMA had flood fighting training from DWR.	°	°	6
								°	°	
								DWR ID: DWR_RD0150_01_s_2013_6		
4	0.03	0.41		Vegetation	WS	M Ma	V1 : Control annual grass and weeds on the levee slopes and easements.	38.332469 °	38.329179 °	1
								-121.582946 °	-121.577987 °	Y
								DWR ID: DWR_RD0150_01_f_2012_1		
5	0.20	0.20		Vegetation	LS	M Ma	V4 : Elderberries are blocking visibility and flood fight capability.	38.331402 °	38.331402 °	3
								-121.580358 °	-121.580358 °	Y
								DWR ID: DWR_RD0150_01_s_2012_3		
6	0.45	0.45		Encroachments	WS	C En	TA : Tank Inspector Comments: Tank for the monitoring station on the waterward shoulder	38.328833 °	38.328833 °	2
								-121.577480 °	-121.577480 °	
								DWR ID: DWR_RD0150_01_s_2012_2		

**\* Location**

LS : Land Side  
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CR : Crown

**\*\* Rating**

A : Acceptable  
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A/W : Acceptable but Monitor & Maintain

**+ Issue Type**

Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2013**

**Reclamation District No. 0150 Merrit Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Slough	Left	0.54	03/14/2013 03/14/2013	Pavel Kazi

Levee Mile Report Line	4
Start Levee Mile	0.03
End Levee Mile	0.41
Location	Water Side
Category	
Item	Vegetation
Vegetation was found on the waterside of the levee looking upstream.	
pkazi_s_20130304_521.jpg	



Levee Mile Report Line	4
Start Levee Mile	0.03
End Levee Mile	0.41
Location	Water Side
Category	
Item	Vegetation
Vegetation was found on the waterside slope of the levee looking upstream during spring 2013 inspection.	
pkazi_s_20130315_898.JPG	



Levee Mile Report Line	5
Start Levee Mile	0.20
End Levee Mile	0.20
Location	Land Side
Category	
Item	Vegetation
Elderberry bush was found on the landside of the levee. The picture was taken from the crown looking downstream.	
pkazi_s_20130304_523.jpg	

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**Flood Control Project Maintenance  
Levee Inspections**

**Unit Cover Sheet**

**Spring 2013 Levee Inspection Results**

**Reclamation District No. 0150 Merrit Island**

Waterway			Bank	Unit Miles
Unit No. 02 Sacramento River			Right	7.95
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	03/14/2013 - 03/14/2013			
DWR Inspector	Pavel Kazi			
Accompanied By				

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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2013**

**Reclamation District No. 0150 Merrit Island**

Waterway				Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River				Right	7.95	03/14/2013 03/14/2013	Pavel Kazi

LMR No.	Levee Mile		Category	Item	Location * + Rating	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End					Start	End	Photo
1	0.14	4.85		Vegetation	WSA/W Ob	V8 : Environmental Requirements.	38.329782 ° -121.574769 °	38.374641 ° -121.524730 °	5
DWR ID: DWR_RD0150_02_s_2012_5									
2	0.16	0.16		Encroachments	WS M En	BU : Building	38.330047 ° -121.574538 °	38.330047 ° -121.574538 °	49 Y
DWR ID: DWR_RD0150_02_s_2012_49									
3	0.17	0.21		Vegetation	LS M En	V6 : Landscaping	38.330173 ° -121.574490 °	38.330576 ° -121.574093 °	990 Y
DWR ID: DWR_RD0150_02_s_2012_990									
4	0.25	0.25		Vegetation	LS U En	V6 : Landscaping	38.331035 ° -121.573502 °	38.331035 ° -121.573502 °	4 Y
DWR ID: DWR_RD0150_02_s_2012_4									
5	0.27	4.99		Vegetation	WS M Ma	V1 : Control annual grass and weeds on the levee slopes and easements.	38.331215 ° -121.573424 °	38.376477 ° -121.525424 °	1 Y
DWR ID: DWR_RD0150_02_s_2013_1									
6	0.27	0.27		Encroachments	LS M Ma	TR : Tree or limb	38.331410 ° -121.573331 °	38.331410 ° -121.573331 °	94 Y
DWR ID: DWR_RD0150_02_s_2012_94									
7	0.34	0.34		Encroachments	LS M En	FE : Fence	38.332156 ° -121.572580 °	38.332156 ° -121.572580 °	9 Y
DWR ID: DWR_RD0150_02_s_2012_9									
8	0.39	0.39		Encroachments	WS M En	ST : Stairway	38.332647 ° -121.572140 °	38.332647 ° -121.572140 °	13 Y
DWR ID: DWR_RD0150_02_s_2012_13									
9	0.40	0.40		Slope Stability	WS M Ma	S2 : Repair the levee slope damaged by foot traffic and prevent access where possible.	38.332717 ° -121.572083 °	38.332717 ° -121.572083 °	6 Y
DWR ID: DWR_RD0150_02_s_2012_6									
10	0.47	0.47		Vegetation	LS C En	V6 : Landscaping	38.333641 ° -121.571260 °	38.333641 ° -121.571260 °	3 Y
DWR ID: DWR_RD0150_02_s_2012_3									
11	0.59	0.59		Trim / Thin Trees	WS C Ma	T3 : Trim and thin trees to allow visibility of the ground and room to flood fight.	38.334776 ° -121.569760 °	38.334776 ° -121.569760 °	51 Y
DWR ID: DWR_RD0150_02_s_2012_51									
12	0.70	0.70		Encroachments	WS M Ma	DE : Debris	38.336228 ° -121.568332 °	38.336228 ° -121.568332 °	10 Y
DWR ID: DWR_RD0150_02_s_2013_10									
13	0.72	7.91		Vegetation	LS M Ma	V1 : Control annual grass and weeds on the levee slopes and easements.	38.336232 ° -121.568333 °	38.413563 ° -121.522593 °	11 Y
DWR ID: DWR_RD0150_02_s_2013_11									
14	0.98	0.98		Trim / Thin Trees	LS M Ma	T2 : Thin trees to allow visibility of the ground and room to flood fight.	38.339035 ° -121.565145 °	38.339035 ° -121.565145 °	12 Y
DWR ID: DWR_RD0150_02_s_2012_12									
15	1.00	1.00		Encroachments	WS M Ma	TR : Tree or limb Inspector Comments: Tree trunk was found on the waterside toe of the levee.	38.339268 ° -121.564839 °	38.339268 ° -121.564839 °	18 Y
DWR ID: DWR_RD0150_02_s_2013_18									

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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2013**

**Reclamation District No. 0150 Merrit Island**

Waterway				Bank	Unit Miles	Inspection Start/End	Inspector	
Unit No. 02 Sacramento River				Right	7.95	03/14/2013 03/14/2013	Pavel Kazi	

LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End						Start	End	
16	1.16	1.16		Trim / Thin Trees	LS	N Ma	T5 : Tree stumps.	38.340864 ° -121.562915 °	38.340864 ° -121.562915 °	8 Y
DWR ID: DWR_RD0150_02_s_2012_8										
17	1.28	1.28		Vegetation	LS	M En	V6 : Landscaping	38.342229 ° -121.561694 °	38.342229 ° -121.561694 °	92 Y
DWR ID: DWR_RD0150_02_s_2012_92										
18	1.34	1.37		Vegetation	LS	M En	V6 : Landscaping	38.342969 ° -121.561196 °	38.343252 ° -121.560794 °	91 Y
DWR ID: DWR_RD0150_02_s_2012_91										
19	1.58	1.58		Encroachments	WS	M Ma	PI : Pipe Inspector Comments: Abandoned CMP was found on the waterside slope of the levee.	38.344833 ° -121.557575 °	38.344833 ° -121.557575 °	19 Y
DWR ID: DWR_RD0150_02_s_2013_19										
20	2.20	2.26		Trim / Thin Trees	LS	C Ma	T2 : Thin trees to allow visibility of the ground and room to flood fight.	38.347076 ° -121.546726 °	38.347196 ° -121.545566 °	22 Y
DWR ID: DWR_RD0150_02_s_2012_22										
21	2.31	2.33		Vegetation	LS	M En	V6 : Landscaping	38.347355 ° -121.544628 °	38.347361 ° -121.544280 °	88 Y
DWR ID: DWR_RD0150_02_s_2012_88										
22	2.75	2.75		Encroachments	LS	M En	TA : Tank Inspector Comments: Tank was found with the 10 feet of toe landside easement.	38.349542 ° -121.537451 °	38.349542 ° -121.537451 °	23 Y
DWR ID: DWR_RD0150_02_s_2012_23										
23	2.80	2.80		Trim / Thin Trees	LS	N Ma	T5 : Tree stumps.	38.350041 ° -121.536853 °	38.350041 ° -121.536853 °	14 Y
DWR ID: DWR_RD0150_02_s_2012_14										
24	2.82	2.82		Vegetation	LS	C En	V6 : Landscaping	38.350324 ° -121.536488 °	38.350324 ° -121.536488 °	16 Y
DWR ID: DWR_RD0150_02_s_2012_16										
25	3.02	3.06		Vegetation	LS	U En	V6 : Landscaping	38.352372 ° -121.534127 °	38.352802 ° -121.533638 °	85 Y
DWR ID: DWR_RD0150_02_s_2012_85										
26	3.29	3.29		Erosion / Bank Caving	WS	M Ma	E2 : Schedule repair of erosion site prior to the next inspection. Inspector Comments: Depressions into the waterward slope can be seen along the waterward slope at this site. Also note the damaged pump support, pump, and pipe just upstream of the site; they may contribute to the erosion in a high water event and should be removed.	38.355321 ° -121.530902 °	38.355321 ° -121.530902 °	961 Y
DWR ID: DWR_RD0150_02_s_2012_961										
27	3.35	3.35		Vegetation	LS	M Ma	V4 : Elderberries are blocking visibility and flood fight capability.	38.355979 ° -121.530288 °	38.355979 ° -121.530288 °	17 Y
DWR ID: DWR_RD0150_02_s_2012_17										
28	3.56	3.56		Encroachments	CR	M En	PI : Pipe Inspector Comments: PVC pipe was used for pumping the water.	38.358152 ° -121.527579 °	38.358152 ° -121.527579 °	15 Y
DWR ID: DWR_RD0150_02_s_2012_15										

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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2013**

**Reclamation District No. 0150 Merrit Island**

Waterway				Bank	Unit Miles	Inspection Start/End	Inspector	
Unit No. 02 Sacramento River				Right	7.95	03/14/2013 03/14/2013	Pavel Kazi	

LMR No.	Levee Mile		Category	Item	Location * + Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End					Start	End	
29	3.60	3.73		Vegetation	LS U En	V6 : Landscaping	38.358565 ° -121.527153 °	38.359729 ° -121.525345 °	82 Y
							DWR ID: DWR_RD0150_02_s_2012_82		
30	3.85	3.85		Encroachments	WS M Ma	DE : Debris	38.360854 ° -121.523641 °	38.360854 ° -121.523641 °	35 Y
							DWR ID: DWR_RD0150_02_s_2013_35		
31	3.90	3.93		Vegetation	LS M En	V6 : Landscaping	38.361419 ° -121.523225 °	38.361752 ° -121.522974 °	80 Y
							DWR ID: DWR_RD0150_02_s_2012_80		
32	3.94	3.94		Encroachments	WS M En	ST : Stairway	38.361970 ° -121.522777 °	38.361970 ° -121.522777 °	33 Y
							DWR ID: DWR_RD0150_02_s_2012_33		
33	4.15	4.16		Encroachments	LS M En	BU : Building Inspector Comments: 3' retaining wall at the landward shoulder.	38.364854 ° -121.522378 °	38.365104 ° -121.522365 °	20 Y
							DWR ID: DWR_RD0150_02_s_2012_20		
34	4.17	4.17		Vegetation	LS M En	V6 : Landscaping	38.365162 ° -121.522365 °	38.365162 ° -121.522365 °	953 Y
							DWR ID: DWR_RD0150_02_s_2012_953		
35	4.31	4.31		Trim / Thin Trees	WS C Ma	T2 : Thin trees to allow visibility of the ground and room to flood fight.	38.367207 ° -121.522457 °	38.367207 ° -121.522457 °	36 Y
							DWR ID: DWR_RD0150_02_s_2012_36		
36	4.33	4.35		Vegetation	LS U En	V6 : Landscaping	38.367442 ° -121.522427 °	38.367740 ° -121.522495 °	24 Y
							DWR ID: DWR_RD0150_02_s_2012_24		
37	4.37	4.41		Vegetation	LS U En	V6 : Landscaping	38.368036 ° -121.522611 °	38.368540 ° -121.522729 °	79 Y
							DWR ID: DWR_RD0150_02_s_2012_79		
38	4.50	4.50	Supplemental	USACE Erosion Survey	WS M Ma	Inspector Comments: 1999 - Downstream end (300 ft) repaired with rock. 2010 - Toe erosion, some vertical slopes lower down. 2011 - Failing rock repair. Slumping of the lower bank. Minor new erosion. 2012: No observed change. [2012 Site ID: SAC_38-5_R]	38.371909 ° -121.523316 °	38.370928 ° -121.523069 °	7 Y
							DWR ID: DWR_RD0150_02_s_2013_7		
39	4.68	4.68		Trim / Thin Trees	LS C Ma	T2 : Thin trees to allow visibility of the ground and room to flood fight.	38.372380 ° -121.523802 °	38.372380 ° -121.523802 °	977 Y
							DWR ID: DWR_RD0150_02_s_2012_977		
40	4.76	4.76		Vegetation	WS M Ma	V2 : Remove the wild growth other than native grasses from the levee slopes.	38.373485 ° -121.523963 °	38.373485 ° -121.523963 °	28 Y
							DWR ID: DWR_RD0150_02_s_2012_28		
41	4.78	4.79		Vegetation	LS U En	V6 : Landscaping	38.373688 ° -121.524280 °	38.373970 ° -121.524403 °	76 Y
							DWR ID: DWR_RD0150_02_s_2012_76		
42	4.95	4.95		Encroachments	WS C Ma	PI : Pipe Inspector Comments: Abandoned pipe is not welded all the way around the outside perimeter.	38.375923 ° -121.525312 °	38.375923 ° -121.525312 °	21 Y
							DWR ID: DWR_RD0150_02_s_2012_21		

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Unit No. 02 Sacramento River				Right	7.95	03/14/2013 03/14/2013	Pavel Kazi

LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End						Start	End	
43	4.98	4.98		Trim / Thin Trees	LS	N Ma	T5 : Tree stumps.	38.376392 ° -121.525429 °	38.376392 ° -121.525429 °	39 Y
DWR ID: DWR_RD0150_02_s_2012_39										
44	5.14	5.17		Vegetation	LS	M En	V6 : Landscaping	38.378715 ° -121.525458 °	38.379052 ° -121.525341 °	30 Y
DWR ID: DWR_RD0150_02_s_2012_30										
45	5.14	7.95		Vegetation	WSA/W	Ob	V8 : Environmental Requirements.	38.378674 ° -121.525423 °	38.414029 ° -121.522991 °	40 Y
DWR ID: DWR_RD0150_02_s_2012_40										
46	5.17	5.22		Vegetation	LS	M En	V6 : Landscaping	38.379054 ° -121.525341 °	38.379769 ° -121.525024 °	75 Y
DWR ID: DWR_RD0150_02_s_2012_75										
47	5.33	5.33		Slope Stability	WS	M Ma	S1 : Repair slope instability. Inspector Comments: Cavity located under rock rip rap on waterward slope at the shoulder over an irrigation pipe.	38.381126 ° -121.524208 °	38.381126 ° -121.524208 °	976 Y
DWR ID: DWR_RD0150_02_s_2012_976										
48	5.33	5.33		Slope Stability	LS	M Ma	S1 : Repair slope instability. Inspector Comments: Depression in the landward slope at the shoulder over an irrigation pipe.	38.381126 ° -121.524207 °	38.381126 ° -121.524207 °	975 Y
DWR ID: DWR_RD0150_02_s_2013_975										
49	5.34	7.91		Vegetation	WS	M Ma	V1 : Control annual grass and weeds on the levee slopes and easements.	38.381337 ° -121.523994 °	38.413563 ° -121.522593 °	37 Y
DWR ID: DWR_RD0150_02_s_2013_37										
50	5.47	5.49		Vegetation	LS	M En	V6 : Landscaping	38.382675 ° -121.522367 °	38.382793 ° -121.522164 °	74 Y
DWR ID: DWR_RD0150_02_s_2012_74										
51	6.18	6.18		Vegetation	LS	M Ma	V2 : Remove the wild growth other than native grasses from the levee slopes.	38.390386 ° -121.515078 °	38.390386 ° -121.515078 °	26 Y
DWR ID: DWR_RD0150_02_s_2012_26										
52	6.41	6.41		Vegetation	LS	M En	V6 : Landscaping Inspector Comments: Century plant on the landward slope.	38.393655 ° -121.514654 °	38.393655 ° -121.514654 °	27 Y
DWR ID: DWR_RD0150_02_s_2012_27										
53	6.42	6.42		Vegetation	LS	M En	V6 : Landscaping	38.393850 ° -121.514629 °	38.393850 ° -121.514629 °	29 Y
DWR ID: DWR_RD0150_02_s_2012_29										
54	6.46	6.46		Vegetation	LS	M En	V6 : Landscaping	38.394416 ° -121.514590 °	38.394416 ° -121.514590 °	31 Y
DWR ID: DWR_RD0150_02_s_2012_31										
55	6.50	6.57		Vegetation	LS	M En	V6 : Landscaping	38.394935 ° -121.514597 °	38.395931 ° -121.514604 °	65 Y
DWR ID: DWR_RD0150_02_s_2012_65										
56	6.53	6.53		Vegetation	WS	M En	V6 : Landscaping	38.395340 ° -121.514528 °	38.395340 ° -121.514528 °	34 Y
DWR ID: DWR_RD0150_02_s_2012_34										
57	6.59	6.59		Encroachments	WS	M En	ST : Stairway	38.396235 ° -121.514547 °	38.396235 ° -121.514547 °	42 Y
DWR ID: DWR_RD0150_02_s_2012_42										

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En : Enforcement

# Reclamation District No. 0150 Merrit Island

68	7.92	7.92	Vegetation	LS	M	V6 : Landscaping	38.413705 °	38.413705 °	56
					En		-121.522806 °	-121.522806 °	Y
							DWR ID: DWR RD0150_02 s_2012 56		

Page 5 of 26

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2013**

**Reclamation District No. 0150 Merrit Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Right	7.95	03/14/2013 03/14/2013	Pavel Kazi

Levee Mile Report Line	2
Start Levee Mile	0.16
End Levee Mile	0.16
Location	Water Side
Category	
Item	Encroachments
Building located on waterside of levee at LM 0.16	
pkazi_s_20130304_551.JPG	



Levee Mile Report Line	3
Start Levee Mile	0.17
End Levee Mile	0.21
Location	Land Side
Category	
Item	Vegetation
Landscaping was found on the landside of the levee looking upstream.	
pkazi_s_20130304_576.jpg	



Levee Mile Report Line	4
Start Levee Mile	0.25
End Levee Mile	0.25
Location	Land Side
Category	
Item	Vegetation
Landscaping on landward slope at LM 0.25 blocking view of levee slope.	
pkazi_s_20130304_525.jpg	



<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2013**

**Reclamation District No. 0150 Merrit Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Right	7.95	03/14/2013 03/14/2013	Pavel Kazi

Levee Mile Report Line	5
Start Levee Mile	0.27
End Levee Mile	4.99
Location	Water Side
Category	
Item	Vegetation

Vegetation was found on the waterside slope of the levee looking upstream during the spring 2013 inspection.

pkazi\_s\_20130319\_900.JPG



Levee Mile Report Line	6
Start Levee Mile	0.27
End Levee Mile	0.27
Location	Land Side
Category	
Item	Encroachments

Remove tree branches from landside of levee at LM 0.27

pkazi\_s\_20130304\_566.JPG



Levee Mile Report Line	6
Start Levee Mile	0.27
End Levee Mile	0.27
Location	Land Side
Category	
Item	Encroachments

View of tree branches located on the landside slope of the levee looking upstream during spring 2013 inspection.

pkazi\_s\_20130315\_899.JPG



**\* Location**

LS : Land Side  
WS : Water Side  
CR : Crown

**\*\* Rating**

A : Acceptable  
M : Minimally Acceptable  
U : Unacceptable  
N : Not Inspected/Rated  
C : Corrected  
A/W : Acceptable but Monitor & Maintain

**+ Issue Type**

Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2013**

**Reclamation District No. 0150 Merrit Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Right	7.95	03/14/2013 03/14/2013	Pavel Kazi

Levee Mile Report Line	7
Start Levee Mile	0.34
End Levee Mile	0.34
Location	Land Side
Category	
Item	Encroachments
Fence was found on the landside of the levee looking upstream.	
pkazi_s_20130304_530.jpg	



Levee Mile Report Line	8
Start Levee Mile	0.39
End Levee Mile	0.39
Location	Water Side
Category	
Item	Encroachments
A stairway was found on the waterside of the levee. The picture was taken from the crown looking upstream.	
pkazi_s_20130304_532.jpg	



Levee Mile Report Line	9
Start Levee Mile	0.40
End Levee Mile	0.40
Location	Water Side
Category	
Item	Slope Stability
Slope instability was found on the waterside of the levee looking upstream.	
pkazi_s_20130304_526.jpg	

**\* Location**

LS : Land Side  
WS : Water Side  
CR : Crown

**\*\* Rating**

A : Acceptable  
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C : Corrected  
A/W : Acceptable but Monitor & Maintain

**+ Issue Type**

Ma : Maintenance Deficiency  
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2013**

**Reclamation District No. 0150 Merrit Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Right	7.95	03/14/2013 03/14/2013	Pavel Kazi

Levee Mile Report Line	12
Start Levee Mile	0.70
End Levee Mile	0.70
Location	Water Side
Category	
Item	Encroachments

Debris was found on the waterside slope of the levee looking downstream during Spring 2013 inspection.

pkazi\_s\_20130319\_901.JPG



Levee Mile Report Line	13
Start Levee Mile	0.72
End Levee Mile	7.91
Location	Land Side
Category	
Item	Vegetation

Vegetation was found on the landside of the levee looking upstream during spring 2013 inspection.

pkazi\_s\_20130319\_902.JPG



Levee Mile Report Line	14
Start Levee Mile	0.98
End Levee Mile	0.98
Location	Land Side
Category	
Item	Trim / Thin Trees

Overgrown trees were obstructing the landside slope of the levee looking upstream.

pkazi\_s\_20130304\_531.jpg



<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable  N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2013**

**Reclamation District No. 0150 Merrit Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Right	7.95	03/14/2013 03/14/2013	Pavel Kazi

Levee Mile Report Line	15
Start Levee Mile	1.00
End Levee Mile	1.00
Location	Water Side
Category	
Item	Encroachments

A tree trunk was found on the waterside toe of the levee looking downstream during spring 2013 inspection.

pkazi\_s\_20130319\_903.JPG



Levee Mile Report Line	16
Start Levee Mile	1.16
End Levee Mile	1.16
Location	Land Side
Category	
Item	Trim / Thin Trees

View of a tree stump on the landward slope.

pkazi\_s\_20130304\_529.jpg



Levee Mile Report Line	18
Start Levee Mile	1.34
End Levee Mile	1.37
Location	Land Side
Category	
Item	Vegetation

Landscaping was found landside of the levee looking upstream.

pkazi\_s\_20130304\_565.jpg



**\* Location**

LS : Land Side  
WS : Water Side  
CR : Crown

**\*\* Rating**

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C : Corrected  
A/W : Acceptable but Monitor & Maintain

**+ Issue Type**

Ma : Maintenance Deficiency  
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2013**

**Reclamation District No. 0150 Merrit Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Right	7.95	03/14/2013 03/14/2013	Pavel Kazi

Levee Mile Report Line	18
Start Levee Mile	1.34
End Levee Mile	1.37
Location	Land Side
Category	
Item	Vegetation

Landscaping was obstructing the view of the landside slope of the levee looking downstream. This picture was taken during spring 2013 inspection.

pkazi\_s\_20130319\_904.JPG



Levee Mile Report Line	19
Start Levee Mile	1.58
End Levee Mile	1.58
Location	Water Side
Category	
Item	Encroachments

Debris was found on the waterside slope of the levee looking upstream during spring 2013 inspection.

pkazi\_s\_20130320\_905.JPG



Levee Mile Report Line	21
Start Levee Mile	2.31
End Levee Mile	2.33
Location	Land Side
Category	
Item	Vegetation

Landscaping was found on the landside of the levee. The picture was taken from the crown looking upstream.

pkazi\_s\_20130304\_564.jpg



**\* Location**

LS : Land Side  
WS : Water Side  
CR : Crown

**\*\* Rating**

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U : Unacceptable  
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C : Corrected  
A/W : Acceptable but Monitor & Maintain

**+ Issue Type**

Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2013**

**Reclamation District No. 0150 Merrit Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Right	7.95	03/14/2013 03/14/2013	Pavel Kazi

Levee Mile Report Line	22
Start Levee Mile	2.75
End Levee Mile	2.75
Location	Land Side
Category	
Item	Encroachments
A tank was found on the landside toe of the levee looking upstream.	
pkazi_s_20130304_538.jpg	



Levee Mile Report Line	23
Start Levee Mile	2.80
End Levee Mile	2.80
Location	Land Side
Category	
Item	Trim / Thin Trees
View of a tree stump on the landward slope.	
pkazi_s_20130304_533.jpg	



Levee Mile Report Line	25
Start Levee Mile	3.02
End Levee Mile	3.06
Location	Land Side
Category	
Item	Vegetation
Landscaping providing a screen for a residence on landside of levee from LM 3.02 to LM 3.06	
pkazi_s_20130304_563.JPG	



<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2013**

**Reclamation District No. 0150 Merrit Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Right	7.95	03/14/2013 03/14/2013	Pavel Kazi

Levee Mile Report Line	26
Start Levee Mile	3.29
End Levee Mile	3.29
Location	Water Side
Category	
Item	Erosion / Bank Caving

View of erosion on the waterward slope looking upstream. Depressions into the slope can be seen in several places.

pkazi\_s\_20130304\_568.jpg



Levee Mile Report Line	26
Start Levee Mile	3.29
End Levee Mile	3.29
Location	Water Side
Category	
Item	Erosion / Bank Caving

Additional view of erosion on the waterward slope looking upstream. Note the damaged pump support, pump, and pipe just upstream of the site.

pkazi\_s\_20130304\_569.jpg



Levee Mile Report Line	26
Start Levee Mile	3.29
End Levee Mile	3.29
Location	Water Side
Category	
Item	Erosion / Bank Caving

View of the erosion site, and broken pump support along with a boat on the waterside of the levee. The picture was taken from the crown looking towards the toe of the levee during fall 2011 inspection.

pkazi\_s\_20130304\_570.jpg



**\* Location**

LS : Land Side  
WS : Water Side  
CR : Crown

**\*\* Rating**

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C : Corrected  
A/W : Acceptable but Monitor & Maintain

**+ Issue Type**

Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2013**

**Reclamation District No. 0150 Merrit Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Right	7.95	03/14/2013 03/14/2013	Pavel Kazi

Levee Mile Report Line	26
Start Levee Mile	3.29
End Levee Mile	3.29
Location	Water Side
Category	
Item	Erosion / Bank Caving

View of erosion and damaged pipe and abandoned boat on the waterside of the levee looking upstream. This picture was taken during fall 2012 inspection.

pkazi\_s\_20130304\_571.jpg



Levee Mile Report Line	26
Start Levee Mile	3.29
End Levee Mile	3.29
Location	Water Side
Category	
Item	Erosion / Bank Caving

View of the erosion on the waterside slope of the levee looking upstream during spring 2013 inspection.

pkazi\_s\_20130320\_907.JPG



Levee Mile Report Line	28
Start Levee Mile	3.56
End Levee Mile	3.56
Location	Crown
Category	
Item	Encroachments

A PVC pipe was used under the levee crown for irrigation purpose. The picture was taken from the crown looking downstream.

pkazi\_s\_20130304\_534.jpg



**\* Location**

LS : Land Side  
WS : Water Side  
CR : Crown

**\*\* Rating**

A : Acceptable  
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C : Corrected  
A/W : Acceptable but Monitor & Maintain

**+ Issue Type**

Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2013**

**Reclamation District No. 0150 Merrit Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Right	7.95	03/14/2013 03/14/2013	Pavel Kazi

Levee Mile Report Line	28
Start Levee Mile	3.56
End Levee Mile	3.56
Location	Crown
Category	
Item	Encroachments

A PVC pipe was used to pump the water from waterside of the levee. It appeared that the PVC pipe was penetrating through a corroded steel casing through the levee crown. The picture was taken from the crown of the levee looking upstream during spring 2013 inspection.

pkazi\_s\_20130320\_908.JPG



Levee Mile Report Line	29
Start Levee Mile	3.60
End Levee Mile	3.73
Location	Land Side
Category	
Item	Vegetation

Landscaping was blocking the visibility on the landside of the levee looking upstream.

pkazi\_s\_20130304\_562.jpg



Levee Mile Report Line	30
Start Levee Mile	3.85
End Levee Mile	3.85
Location	Water Side
Category	
Item	Encroachments

Debris was found on the waterside toe of the levee looking upstream during spring 2013 inspection.

pkazi\_s\_20130320\_909.JPG



**\* Location**

LS : Land Side  
WS : Water Side  
CR : Crown

**\*\* Rating**

A : Acceptable  
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**+ Issue Type**

Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2013**

**Reclamation District No. 0150 Merrit Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Right	7.95	03/14/2013 03/14/2013	Pavel Kazi

Levee Mile Report Line	31
Start Levee Mile	3.90
End Levee Mile	3.93
Location	Land Side
Category	
Item	Vegetation

Landscaping in front of a residence on landside of levee from LM 3.90 to LM 3.93. The levee in this location is greater than 100' wide.

pkazi\_s\_20130304\_561.JPG



Levee Mile Report Line	32
Start Levee Mile	3.94
End Levee Mile	3.94
Location	Water Side
Category	
Item	Encroachments

A stairway was found on the waterside slope of the levee.

pkazi\_s\_20130304\_544.jpg



Levee Mile Report Line	33
Start Levee Mile	4.15
End Levee Mile	4.16
Location	Land Side
Category	
Item	Encroachments

View of a retaining wall on the landward slope looking upstream.

pkazi\_s\_20130304\_535.jpg



**\* Location**

LS : Land Side  
WS : Water Side  
CR : Crown

**\*\* Rating**

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C : Corrected  
A/W : Acceptable but Monitor & Maintain

**+ Issue Type**

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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2013**

**Reclamation District No. 0150 Merrit Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Right	7.95	03/14/2013 03/14/2013	Pavel Kazi

Levee Mile Report Line	34
Start Levee Mile	4.17
End Levee Mile	4.17
Location	Land Side
Category	
Item	Vegetation

View of cacti on the landside of the levee looking from the crown.

pkazi\_s\_20130304\_567.jpg



Levee Mile Report Line	36
Start Levee Mile	4.33
End Levee Mile	4.35
Location	Land Side
Category	
Item	Vegetation

Landscaping (Oleander) on landward slope from 4.33 to 4.35

pkazi\_s\_20130304\_539.jpg



Levee Mile Report Line	37
Start Levee Mile	4.37
End Levee Mile	4.41
Location	Land Side
Category	
Item	Vegetation

Trees were obstructing the views on the landside slope of the levee looking downstream.

pkazi\_s\_20130304\_560.jpg



**\* Location**

LS : Land Side  
WS : Water Side  
CR : Crown

**\*\* Rating**

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C : Corrected  
A/W : Acceptable but Monitor & Maintain

**+ Issue Type**

Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2013**

**Reclamation District No. 0150 Merrit Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Right	7.95	03/14/2013 03/14/2013	Pavel Kazi

Levee Mile Report Line	38
Start Levee Mile	4.50
End Levee Mile	4.50
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey

USACE 2012 Photo #1

pkazi\_s\_20130304\_527.jpg



Levee Mile Report Line	38
Start Levee Mile	4.50
End Levee Mile	4.50
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey

USACE 2012 Photo #2

pkazi\_s\_20130304\_528.jpg



Levee Mile Report Line	40
Start Levee Mile	4.76
End Levee Mile	4.76
Location	Water Side
Category	
Item	Vegetation

Century plant on waterward slope at LM 4.76

pkazi\_s\_20130304\_542.jpg

**\* Location**

LS : Land Side  
WS : Water Side  
CR : Crown

**\*\* Rating**

A : Acceptable  
M : Minimally Acceptable  
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A/W : Acceptable but Monitor & Maintain

**+ Issue Type**

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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2013**

**Reclamation District No. 0150 Merrit Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Right	7.95	03/14/2013 03/14/2013	Pavel Kazi

Levee Mile Report Line	41
Start Levee Mile	4.78
End Levee Mile	4.79
Location	Land Side
Category	
Item	Vegetation

Trees were obstructing the views on the landside slope of the levee looking upstream.

pkazi\_s\_20130304\_559.jpg



Levee Mile Report Line	43
Start Levee Mile	4.98
End Levee Mile	4.98
Location	Land Side
Category	
Item	Trim / Thin Trees

Tree stumps were found on the landside of the levee looking from the crown.

pkazi\_s\_20130304\_547.jpg



Levee Mile Report Line	44
Start Levee Mile	5.14
End Levee Mile	5.17
Location	Land Side
Category	
Item	Vegetation

Landscaping was found on the landside shoulder of the levee looking upstream.

pkazi\_s\_20130320\_910.JPG



<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable  N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2013**

**Reclamation District No. 0150 Merrit Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Right	7.95	03/14/2013 03/14/2013	Pavel Kazi

Levee Mile Report Line	46
Start Levee Mile	5.17
End Levee Mile	5.22
Location	Land Side
Category	
Item	Vegetation

View of landscaping along the landward shoulder and slope looking downstream.

pkazi\_s\_20130304\_558.jpg



Levee Mile Report Line	47
Start Levee Mile	5.33
End Levee Mile	5.33
Location	Water Side
Category	
Item	Slope Stability

View of rock placed on a pipe penetration on the waterward slope. Cavities can be seen under the rocks.

pkazi\_s\_20130304\_574.jpg



Levee Mile Report Line	48
Start Levee Mile	5.33
End Levee Mile	5.33
Location	Land Side
Category	
Item	Slope Stability

View of a minor depression along the landward slope of the levee over a pipe penetration looking downstream.

pkazi\_s\_20130304\_573.jpg



<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2013**

**Reclamation District No. 0150 Merrit Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Right	7.95	03/14/2013 03/14/2013	Pavel Kazi

Levee Mile Report Line	49
Start Levee Mile	5.34
End Levee Mile	7.91
Location	Water Side
Category	
Item	Vegetation
Vegetation was found waterside slope of the levee looking upstream during spring 2013 inspection.	
pkazi_s_20130320_911.JPG	



Levee Mile Report Line	51
Start Levee Mile	6.18
End Levee Mile	6.18
Location	Land Side
Category	
Item	Vegetation
Century plant and vegetation was found on the landside of the levee looking upstream.	
pkazi_s_20130304_540.jpg	



Levee Mile Report Line	52
Start Levee Mile	6.41
End Levee Mile	6.41
Location	Land Side
Category	
Item	Vegetation
Century plant was found on the landside of the levee looking upstream.	
pkazi_s_20130304_541.jpg	



<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable  N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2013**

**Reclamation District No. 0150 Merrit Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Right	7.95	03/14/2013 03/14/2013	Pavel Kazi

Levee Mile Report Line	54
Start Levee Mile	6.46
End Levee Mile	6.46
Location	Land Side
Category	
Item	Vegetation

Trees need to be trimmed on the landside of the levee looking upstream.

pkazi\_s\_20130304\_543.jpg



Levee Mile Report Line	55
Start Levee Mile	6.50
End Levee Mile	6.57
Location	Land Side
Category	
Item	Vegetation

View of landscaping along the waterward shoulder and slope looking downstream.

pkazi\_s\_20130304\_557.jpg



Levee Mile Report Line	56
Start Levee Mile	6.53
End Levee Mile	6.53
Location	Water Side
Category	
Item	Vegetation

Landscaping was found on the waterside of the levee looking upstream.

pkazi\_s\_20130304\_545.jpg



<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable  N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2013**

**Reclamation District No. 0150 Merrit Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Right	7.95	03/14/2013 03/14/2013	Pavel Kazi

Levee Mile Report Line	57
Start Levee Mile	6.59
End Levee Mile	6.59
Location	Water Side
Category	
Item	Encroachments
A stairway was found on the waterside slope of the levee looking upstream.	
pkazi_s_20130304_548.jpg	



Levee Mile Report Line	58
Start Levee Mile	6.60
End Levee Mile	6.60
Location	Water Side
Category	
Item	Encroachments
Debris was found on the waterside slope of the levee looking upstream.	
pkazi_s_20130304_524.jpg	



Levee Mile Report Line	59
Start Levee Mile	6.67
End Levee Mile	6.72
Location	Land Side
Category	
Item	Vegetation
Landscaping providing a screen for a residence on landside of levee from LM 6.68 to LM 6.72	
pkazi_s_20130304_556.JPG	

**\* Location**

LS : Land Side  
WS : Water Side  
CR : Crown

**\*\* Rating**

A : Acceptable  
M : Minimally Acceptable  
U : Unacceptable  
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C : Corrected  
A/W : Acceptable but Monitor & Maintain

**+ Issue Type**

Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2013**

**Reclamation District No. 0150 Merrit Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Right	7.95	03/14/2013 03/14/2013	Pavel Kazi

Levee Mile Report Line	60
Start Levee Mile	6.75
End Levee Mile	6.75
Location	Land Side
Category	
Item	Vegetation

Century plants were found on the landside of the levee looking upstream.

pkazi\_s\_20130304\_549.jpg



Levee Mile Report Line	61
Start Levee Mile	6.83
End Levee Mile	6.83
Location	Water Side
Category	
Item	Encroachments

A stair was found on the waterside slope of the levee looking upstream during spring 2013 inspection.

pkazi\_s\_20130320\_912.JPG



Levee Mile Report Line	62
Start Levee Mile	6.93
End Levee Mile	7.05
Location	Land Side
Category	
Item	Vegetation

Landscaping providing a screen for a residence on the landside of levee from LM 6.93 to LM 7.05

pkazi\_s\_20130304\_555.JPG



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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2013**

**Reclamation District No. 0150 Merrit Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Right	7.95	03/14/2013 03/14/2013	Pavel Kazi

Levee Mile Report Line	63
Start Levee Mile	7.12
End Levee Mile	7.12
Location	Land Side
Category	
Item	Vegetation

Landscaping providing a screen for a residence on landside of levee at LM 7.12

pkazi\_s\_20130304\_554.JPG



Levee Mile Report Line	64
Start Levee Mile	7.28
End Levee Mile	7.28
Location	Water Side
Category	
Item	Slope Stability

View of minor erosion along the top portion of the waterward slope likely cause by foot traffic. The erosion has started to encroach into the shoulder of the road.

pkazi\_s\_20130304\_572.jpg



Levee Mile Report Line	64
Start Levee Mile	7.28
End Levee Mile	7.28
Location	Water Side
Category	
Item	Slope Stability

View of minor erosion on the waterside slope of the levee looking upstream during spring 2013 inspection.

pkazi\_s\_20130320\_913.JPG



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**+ Issue Type**

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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2013**

**Reclamation District No. 0150 Merrit Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Right	7.95	03/14/2013 03/14/2013	Pavel Kazi

Levee Mile Report Line	66
Start Levee Mile	7.36
End Levee Mile	7.41
Location	Land Side
Category	
Item	Trim / Thin Trees
Trim/thin trees and brush on landside of levee from LM 7.36 to LM 7.41	
pkazi_s_20130304_550.JPG	



Levee Mile Report Line	68
Start Levee Mile	7.92
End Levee Mile	7.92
Location	Land Side
Category	
Item	Vegetation
Landscaping on landside of levee at LM 7.92	
pkazi_s_20130304_553.JPG	



<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Unit Cover Sheet**

**Spring 2013 Levee Inspection Results**

**Reclamation District No. 0150 Merrit Island**

Waterway			Bank	Unit Miles
Unit No. 03 Elk Slough			Left	9.58
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	03/12/2013 - 03/13/2013			
DWR Inspector	Pavel Kazi			
Accompanied By				

**Summer & Winter Inspections**

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

*The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.*

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2013**

**Reclamation District No. 0150 Merrit Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.58	03/12/2013 03/13/2013	Pavel Kazi

LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End						Start	End	
1	0.00	9.40	Supplemental	USACE Erosion Survey	WS	M	Inspector Comments: 1997 - Most of lower Elk Slough contains high near vertical banks, with erosion into the levee slope. Channel almost appears incised. 2002 - Sites where the levee slope is near vertical and severely eroding. It could fail catastrophically. 2004 - Looks bad in terms of vertical slopes and fallen trees. 2005 - Banks are still over steepened in most places and potentially susceptible to geotechnical failures. 2006 - Both banks are still over steepened in most places and potentially susceptible to geotechnical failures. 2010 - The entire reach is in poor condition, with severely eroding near vertical slopes, needs a regional repair. 2011 - Channel banks are still oversteepened with erosion continuing. 2012: No observed change. [2012 Site ID: ELK_0-2_L]	38.413893 ° -121.522896 °	38.332735 ° -121.583625 °	80 Y
DWR ID: DWR_RD0150_03_s_2013_80										
2	0.11	0.11		Vegetation	WS	M	V4 : Elderberries are blocking visibility and flood fight capability.	38.334233 ° -121.583414 °	38.334233 ° -121.583414 °	936 Y
DWR ID: DWR_RD0150_03_s_2012_936										
3	0.31	0.64		Vegetation	LS	M	V1 : Control annual grass and weeds on the levee slopes and easements.	38.336945 ° -121.581823 °	38.341324 ° -121.580583 °	6 Y
DWR ID: DWR_RD0150_03_s_2013_6										
4	0.31	0.64		Vegetation	WS	M	V1 : Control annual grass and weeds on the levee slopes and easements.	38.336945 ° -121.581823 °	38.341325 ° -121.580583 °	2 Y
DWR ID: DWR_RD0150_03_s_2013_2										
5	0.36	0.36		Encroachments	WS	M	BU : Building Inspector Comments: Steps, water, electricity, and dock on waterward slope.	38.337442 ° -121.581628 °	38.337442 ° -121.581628 °	3 Y
DWR ID: DWR_RD0150_03_s_2012_3										
6	0.38	0.38		Vegetation	LS	M	V6 : Landscaping Inspector Comments: ice plant on land slope	38.337632 ° -121.581532 °	38.337632 ° -121.581532 °	42 Y
DWR ID: DWR_RD0150_03_s_2012_42										
7	0.56	0.56		Trim / Thin Trees	WS	M	T2 : Thin trees to allow visibility of the ground and room to flood fight.	38.340273 ° -121.580969 °	38.340273 ° -121.580969 °	937 Y
DWR ID: DWR_RD0150_03_s_2012_937										
8	0.67	1.01		Vegetation	WS	M	V1 : Control annual grass and weeds on the levee slopes and easements.	38.341851 ° -121.580423 °	38.346346 ° -121.579163 °	14 Y
DWR ID: DWR_RD0150_03_s_2013_14										
9	0.67	1.01		Vegetation	LS	M	V1 : Control annual grass and weeds on the levee slopes and easements.	38.341851 ° -121.580423 °	38.346346 ° -121.579162 °	10 Y
DWR ID: DWR_RD0150_03_s_2013_10										
10	0.92	0.95		Vegetation	LS	M	V4 : Elderberries are blocking visibility and flood fight capability.	38.345293 ° -121.579769 °	38.345634 ° -121.579574 °	5 Y
DWR ID: DWR_RD0150_03_s_2012_5										
11	1.52	2.10		Vegetation	LS	M	V1 : Control annual grass and weeds on the levee slopes and easements.	38.349101 ° -121.572454 °	38.354391 ° -121.568749 °	18 Y
DWR ID: DWR_RD0150_03_s_2013_18										

<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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# Reclamation District No. 0150 Merrit Island

LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End						Start	End	Photo
12	1.61	2.13		Trim / Thin Trees	WS	U Ma	T2 : Thin trees to allow visibility of the ground and room to flood fight.	38.350385 ° -121.572793 °	38.354092 ° -121.568151 °	29 Y
								DWR ID: DWR_RD0150_03_s_2013_29		
13	1.82	1.82		Erosion / Bank Caving	WS	M Ma	E1 : Note and monitor erosion site. Inspector Comments: Erosion appeared under the pipe.	38.353249 ° -121.572848 °	38.353249 ° -121.572848 °	50 Y
								DWR ID: DWR_RD0150_03_s_2012_50		
14	2.34	2.34		Encroachments	LS	M En	TR : Tree or limb Inspector Comments: New tree was planted on the landside slope.	38.354286 ° -121.564494 °	38.354286 ° -121.564494 °	78 Y
								DWR ID: DWR_RD0150_03_s_2012_78		
15	2.60	2.60		Trim / Thin Trees	LS	N Ma	T5 : Tree stumps.	38.356853 ° -121.561565 °	38.356853 ° -121.561565 °	11 Y
								DWR ID: DWR_RD0150_03_s_2012_11		
16	2.71	2.71		Encroachments	WS	M En	PI : Pipe	38.358406 ° -121.561300 °	38.358406 ° -121.561300 °	34 Y
								DWR ID: DWR_RD0150_03_s_2013_34		
17	2.86	2.86		Erosion / Bank Caving	WS	M Ma	E2 : Schedule repair of erosion site prior to the next inspection.	38.360432 ° -121.561644 °	38.360432 ° -121.561644 °	35 Y
								DWR ID: DWR_RD0150_03_s_2013_35		
18	2.87	2.87		Trim / Thin Trees	WS	N Ma	T5 : Tree stumps.	38.360621 ° -121.561762 °	38.360621 ° -121.561762 °	17 Y
								DWR ID: DWR_RD0150_03_s_2012_17		
19	2.93	2.93		Slope Stability	WS	M Ma	S1 : Repair slope instability.	38.361375 ° -121.562134 °	38.361375 ° -121.562134 °	76 Y
								DWR ID: DWR_RD0150_03_s_2012_76		
20	2.93	2.93		Crown Surface / Depressions / Rutting	CR	M Ma	C3 : Add appropriate gravel or road base. Grade and compact.	38.361375 ° -121.562135 °	38.361375 ° -121.562135 °	75 Y
								DWR ID: DWR_RD0150_03_s_2012_75		
21	3.13	3.13		Crown Surface / Depressions / Rutting	CR	C Ma	C3 : Add appropriate gravel or road base. Grade and compact.	38.363798 ° -121.560948 °	38.363798 ° -121.560948 °	22 Y
								DWR ID: DWR_RD0150_03_s_2012_22		
22	3.18	3.18		Trim / Thin Trees	WS	M Ma	T2 : Thin trees to allow visibility of the ground and room to flood fight.	38.363800 ° -121.560128 °	38.363800 ° -121.560128 °	19 Y
								DWR ID: DWR_RD0150_03_s_2012_19		
23	3.21	3.21		Trim / Thin Trees	WS	N Ma	T5 : Tree stumps.	38.363658 ° -121.559583 °	38.363658 ° -121.559583 °	20 Y
								DWR ID: DWR_RD0150_03_s_2012_20		
24	3.24	9.50		Vegetation	WS	M Ma	V1 : Control annual grass and weeds on the levee slopes and easements.	38.363472 ° -121.559013 °	38.413069 ° -121.523896 °	38 Y
								DWR ID: DWR_RD0150_03_s_2013_38		
25	3.31	3.31		Crown Surface / Depressions / Rutting	CR	M Ma	C3 : Add appropriate gravel or road base. Grade and compact.	38.363101 ° -121.557847 °	38.363101 ° -121.557847 °	91 Y
								DWR ID: DWR_RD0150_03_f_2012_91		

* Location	** Rating	+ Issue Type
LS : Land Side	A : Acceptable	Ma : Maintenance Deficiency
WS : Water Side	N : Not Inspected/Rated	Ob : Design & System Obsolescence
CR : Crown	M : Minimally Acceptable	En : Enforcement
	C : Corrected	
	U : Unacceptable	
	A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2013**

**Reclamation District No. 0150 Merrit Island**

Waterway				Bank	Unit Miles	Inspection Start/End	Inspector	
Unit No. 03 Elk Slough				Left	9.58	03/12/2013 03/13/2013	Pavel Kazi	

LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End						Start	End	
26	3.34	3.34		Animal Control	LS	M Ma	A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	38.363015 ° -121.557325 °	38.363015 ° -121.557325 °	70 Y
DWR ID: DWR_RD0150_03_s_2012_70										
27	3.34	3.34		Encroachments	LS	M Ma	MA : Material	38.363015 ° -121.557325 °	38.363015 ° -121.557325 °	71 Y
DWR ID: DWR_RD0150_03_s_2012_71										
28	3.34	3.34		Encroachments	LS	M En	PI : Pipe	38.363043 ° -121.557316 °	38.363043 ° -121.557316 °	39 Y
DWR ID: DWR_RD0150_03_s_2012_39										
29	3.37	3.37		Erosion / Bank Caving	WS	M Ma	E2 : Schedule repair of erosion site prior to the next inspection.	38.363008 ° -121.556751 °	38.363008 ° -121.556751 °	40 Y
DWR ID: DWR_RD0150_03_s_2013_40										
30	3.41	3.41		Trim / Thin Trees	WS	N Ma	T5 : Tree stumps.	38.363147 ° -121.556190 °	38.363147 ° -121.556190 °	27 Y
DWR ID: DWR_RD0150_03_s_2012_27										
31	3.47	3.47		Erosion / Bank Caving	WS	M Ma	E1 : Note and monitor erosion site. Inspector Comments: Erosion was located on the waterside of the levee looking downstream.	38.363803 ° -121.555432 °	38.363803 ° -121.555432 °	98 Y
DWR ID: DWR_RD0150_03_s_2012_98										
32	3.50	3.54		Vegetation	LS	M En	V6 : Landscaping	38.364251 ° -121.555321 °	38.364772 ° -121.555343 °	47 Y
DWR ID: DWR_RD0150_03_s_2012_47										
33	3.51	3.51		Encroachments	LS	M En	EQ : Equipment	38.363205 ° -121.555962 °	38.363205 ° -121.555962 °	97 Y
DWR ID: DWR_RD0150_03_s_2012_97										
34	3.75	3.75		Slope Stability	LS A/W	M Ma	S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.	38.367305 ° -121.554984 °	38.367305 ° -121.554984 °	927 Y
DWR ID: DWR_RD0150_03_s_2012_927										
35	3.77	3.77		Slope Stability	WS	A Ma	S2 : Repair the levee slope damaged by foot traffic and prevent access where possible. Inspector Comments: Slope instability was repaired by the LMA.	38.367371 ° -121.554427 °	38.367371 ° -121.554427 °	45 Y
DWR ID: DWR_RD0150_03_s_2013_45										
36	3.77	3.77		Slope Stability	WS	C Ma	S2 : Repair the levee slope damaged by foot traffic and prevent access where possible.	38.367393 ° -121.554528 °	38.367393 ° -121.554528 °	15
DWR ID: DWR_RD0150_03_s_2012_15										
37	3.79	3.79		Animal Control	WS	M Ma	A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	38.367538 ° 38.367538 °	-121.552780 ° -121.552780 °	85 Y
DWR ID: DWR_RD0150_03_s_2013_85										
38	3.95	3.95		Encroachments	LS	M Ma	DE : Debris	38.368118 ° -121.551509 °	38.368118 ° -121.551509 °	48 Y
DWR ID: DWR_RD0150_03_s_2012_48										
39	4.06	9.50		Vegetation	LS	M Ma	V1 : Control annual grass and weeds on the levee slopes and easements.	38.369704 ° -121.551758 °	38.413070 ° -121.523898 °	53
DWR ID: DWR_RD0150_03_s_2013_53										

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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2013**

**Reclamation District No. 0150 Merrit Island**

Waterway				Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough				Left	9.58	03/12/2013 03/13/2013	Pavel Kazi

LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
40	4.35	4.35		Trim / Thin Trees	WS	N Ma	T5 : Tree stumps.	38.373319 ° -121.550836 °	38.373319 ° -121.550836 °	37 Y
DWR ID: DWR_RD0150_03_s_2012_37										
41	4.46	4.46		Encroachments	LS	M Ma	PR : Prunings	38.374269 ° -121.549385 °	38.374269 ° -121.549385 °	51 Y
DWR ID: DWR_RD0150_03_s_2012_51										
42	4.51	4.51		Encroachments	LS	M Ma	TR : Tree or limb	38.374267 ° -121.548441 °	38.374267 ° -121.548441 °	52 Y
DWR ID: DWR_RD0150_03_s_2012_52										
43	4.58	4.58		Vegetation	LS	M En	V6 : Landscaping	38.374367 ° -121.547327 °	38.374367 ° -121.547327 °	94
DWR ID: DWR_RD0150_03_s_2012_94										
44	4.95	4.95		Crown Surface / Depressions / Rutting	CR	M Ma	C3 : Add appropriate gravel or road base. Grade and compact.	38.377333 ° -121.541930 °	38.377333 ° -121.541930 °	65 Y
DWR ID: DWR_RD0150_03_s_2013_65										
45	4.98	4.98		Encroachments	LS	M Ma	EQ : Equipment	38.377761 ° -121.541319 °	38.377761 ° -121.541319 °	9 Y
DWR ID: DWR_RD0150_03_s_2012_9										
46	5.08	5.08		Slope Stability	WS	M Ma	S1 : Repair slope instability.	38.378771 ° -121.540538 °	38.378771 ° -121.540538 °	36 Y
DWR ID: DWR_RD0150_03_f_2012_36										
47	5.13	5.13		Slope Stability	WS	M Ob	S1 : Repair slope instability.	38.379456 ° -121.540147 °	38.379456 ° -121.540147 °	4 Y
DWR ID: DWR_RD0150_03_s_2012_4										
48	5.20	5.20		Vegetation	LS	C Ma	V2 : Remove the wild growth other than native grasses from the levee slopes.	38.380436 ° -121.540105 °	38.380436 ° -121.540105 °	8
DWR ID: DWR_RD0150_03_s_2012_8										
49	5.22	5.22		Crown Surface / Depressions / Rutting	CR	M Ma	C2 : Repair depressions or ruts in the crown or slope. Inspector Comments: There is a significant difference in the crown roadway elevation as it transitions from the paved roadway to the gravel access road.	38.380779 ° -121.540264 °	38.380779 ° -121.540264 °	941 Y
DWR ID: DWR_RD0150_03_s_2012_941										
50	5.61	5.61		Encroachments	LS	M En	PR : Prunings	38.383328 ° -121.545825 °	38.383328 ° -121.545825 °	12 Y
DWR ID: DWR_RD0150_03_s_2012_12										
51	5.66	5.66		Trim / Thin Trees	WS	N Ma	T5 : Tree stumps.	38.383697 ° -121.545201 °	38.383697 ° -121.545201 °	68 Y
DWR ID: DWR_RD0150_03_s_2012_68										
52	5.80	5.80		Trim / Thin Trees	WS	N Ma	T5 : Tree stumps.	38.383969 ° -121.542806 °	38.383969 ° -121.542806 °	41
DWR ID: DWR_RD0150_03_s_2012_41										
53	5.84	5.84		Trim / Thin Trees	CR	M Ma	T4 : Trim trees over roadway to at least 12 feet above ground level. Inspector Comments: Tree trunk was obstructing crown surface road.	38.384106 ° -121.542004 °	38.384106 ° -121.542004 °	83 Y
DWR ID: DWR_RD0150_03_s_2013_83										

**\* Location**

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**+ Issue Type**

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Ob : Design & System Obsolescence  
En : Enforcement



## Levee Inspection Report By Mile - Spring 2013

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector	
Unit No. 03 Elk Slough						Left	9.58	03/12/2013 03/13/2013	Pavel Kazi	
LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
54	5.88	5.88		Vegetation	WS	M Ma	V2 : Remove the wild growth other than native grasses from the levee slopes.	38.384333 ° -121.541310 °	38.384333 ° -121.541310 °	28 Y
								DWR ID: DWR_RD0150_03_s_2012_28		
55	5.89	5.94		Encroachments	LS	M En	FE : Fence	38.384363 ° -121.541161 °	38.384796 ° -121.540525 °	56 Y
								DWR ID: DWR_RD0150_03_s_2012_56		
56	5.93	5.93		Encroachments	LS	M Ma	TR : Tree or limb	38.384648 ° -121.540669 °	38.384648 ° -121.540669 °	57 Y
								DWR ID: DWR_RD0150_03_s_2012_57		
57	5.93	5.93		Encroachments	CR	U En	BU : Building	38.384803 ° -121.540545 °	38.384803 ° -121.540545 °	58 Y
								DWR ID: DWR_RD0150_03_s_2012_58		
58	6.01	6.09		Vegetation	LS	M En	V6 : Landscaping	38.385752 ° -121.539905 °	38.386703 ° -121.540042 °	21 Y
								DWR ID: DWR_RD0150_03_s_2012_21		
59	6.05	6.05		Trim / Thin Trees	WS	M Ma	T2 : Thin trees to allow visibility of the ground and room to flood fight.	38.386351 ° -121.539828 °	38.386351 ° -121.539828 °	33 Y
								DWR ID: DWR_RD0150_03_s_2012_33		
60	6.06	6.06		Encroachments	WS	M Ma	PI : Pipe Inspector Comments: Improperly abandoned pipe through the levee.	38.386422 ° -121.539861 °	38.386422 ° -121.539861 °	46 Y
								DWR ID: DWR_RD0150_03_s_2012_46		
61	6.14	6.14		Encroachments	WS	M En	AV : Abandoned vehicles Inspector Comments: It appeared to be an abandoned dock.	38.387295 ° -121.540612 °	38.387295 ° -121.540612 °	44 Y
								DWR ID: DWR_RD0150_03_s_2012_44		
62	6.14	6.14		Vegetation	LS	M En	V6 : Landscaping	38.387348 ° -121.540577 °	38.387348 ° -121.540577 °	23 Y
								DWR ID: DWR_RD0150_03_s_2012_23		
63	6.24	6.31		Vegetation	LS	M En	V6 : Landscaping	38.388535 ° -121.541657 °	38.389391 ° -121.541901 °	24 Y
								DWR ID: DWR_RD0150_03_s_2012_24		
64	6.34	6.34		Trim / Thin Trees	WS	N Ma	T5 : Tree stumps.	38.389658 ° -121.541518 °	38.389658 ° -121.541518 °	49 Y
								DWR ID: DWR_RD0150_03_s_2012_49		
65	6.35	6.36		Vegetation	LS	M En	V6 : Landscaping	38.389700 ° -121.541462 °	38.389808 ° -121.541285 °	25 Y
								DWR ID: DWR_RD0150_03_s_2012_25		
66	6.37	6.40		Vegetation	LS	M En	V6 : Landscaping	38.389858 ° -121.541155 °	38.390115 ° -121.540657 °	26 Y
								DWR ID: DWR_RD0150_03_s_2012_26		
67	6.49	6.49		Trim / Thin Trees	WS	M Ma	T3 : Trim and thin trees to allow visibility of the ground and room to flood fight.	38.390935 ° -121.539369 °	38.390935 ° -121.539369 °	62 Y
								DWR ID: DWR_RD0150_03_s_2012_62		
68	6.56	6.56		Vegetation	LS	M En	V6 : Landscaping	38.391616 ° -121.538378 °	38.391616 ° -121.538378 °	60 Y
								DWR ID: DWR_RD0150_03_s_2012_60		

* Location	** Rating	+ Issue Type
LS : Land Side	A : Acceptable	Ma : Maintenance Deficiency
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CR : Crown	M : Minimally Acceptable	En : Enforcement
	U : Unacceptable	
	A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2013**

**Reclamation District No. 0150 Merrit Island**

Waterway				Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough				Left	9.58	03/12/2013 03/13/2013	Pavel Kazi

LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End						Start	End	Photo
69	6.61	6.61		Slope Stability	WS	M	S1 : Repair slope instability.	38.392172 °	38.392172 °	43
					Ma			-121.538065 °	-121.538065 °	Y
								DWR ID: DWR_RD0150_03_f_2012_43		
70	6.64	6.64		Encroachments	LS	M	PR : Prunings	38.392650 °	38.392650 °	77
					En			-121.538089 °	-121.538089 °	Y
								DWR ID: DWR_RD0150_03_f_2012_77		
71	6.87	6.95		Vegetation	LS	M	V6 : Landscaping	38.395670 °	38.396027 °	30
					En			-121.537925 °	-121.536575 °	Y
								DWR ID: DWR_RD0150_03_s_2012_30		
72	6.93	6.95		Encroachments	LS	M	FE : Fence	38.395470 °	38.395998 °	13
					En			°	-121.536613 °	Y
								DWR ID: DWR_RD0150_03_s_2012_13		
73	6.98	7.04		Vegetation	LS	M	V6 : Landscaping	38.396187 °	38.396989 °	933
					En		Inspector Comments: Landscaping has been maintained better, but some obstructions still exist.	-121.536180 °	-121.535151 °	Y
								DWR ID: DWR_RD0150_03_s_2012_933		
74	7.02	7.02		Trim / Thin Trees	LS	M	T2 : Thin trees to allow visibility of the ground and room to flood fight.	38.396698 °	38.396698 °	79
					Ma			-121.535406 °	-121.535406 °	
								DWR ID: DWR_RD0150_03_f_2012_79		
75	7.02	7.02		Erosion / Bank Caving	WS	M	E1 : Note and monitor erosion site.	38.396655 °	38.396655 °	61
					Ma			-121.535485 °	-121.535485 °	Y
								DWR ID: DWR_RD0150_03_s_2012_61		
76	7.06	7.09		Vegetation	LS	M	V6 : Landscaping	38.397021 °	38.397540 °	31
					En			-121.535151 °	-121.535183 °	Y
								DWR ID: DWR_RD0150_03_s_2012_31		
77	7.39	7.39		Vegetation	WS	M	V6 : Landscaping	38.401481 °	38.401481 °	64
					En			-121.536876 °	-121.536876 °	Y
								DWR ID: DWR_RD0150_03_s_2012_64		
78	7.42	7.47		Vegetation	LS	M	V6 : Landscaping	38.401738 °	38.402296 °	32
					En			-121.537127 °	-121.537678 °	Y
								DWR ID: DWR_RD0150_03_s_2012_32		
79	7.50	7.50		Trim / Thin Trees	LS	N	T5 : Tree stumps.	38.402779 °	38.402779 °	63
					Ma			-121.538197 °	-121.538197 °	Y
								DWR ID: DWR_RD0150_03_s_2012_63		
80	7.54	7.54		Vegetation	LS	M	V6 : Landscaping	38.403047 °	38.403047 °	84
					En			-121.538433 °	-121.538433 °	Y
								DWR ID: DWR_RD0150_03_s_2012_84		
81	7.58	7.58		Vegetation	LS	M	V6 : Landscaping	38.403566 °	38.403566 °	934
					En			-121.538886 °	-121.538886 °	Y
								DWR ID: DWR_RD0150_03_s_2012_934		
82	7.60	7.60		Encroachments	LS	M	PR : Prunings	38.403795 °	38.403795 °	935
					Ma			-121.539205 °	-121.539205 °	Y
								DWR ID: DWR_RD0150_03_s_2012_935		
83	7.81	7.81		Encroachments	WS	M	PO : Pole	38.405275 °	38.405275 °	1
					En			-121.542473 °	-121.542473 °	
								DWR ID: DWR_RD0150_03_s_2012_1		

**\* Location**

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**+ Issue Type**

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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2013**

**Reclamation District No. 0150 Merrit Island**

Waterway				Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough				Left	9.58	03/12/2013 03/13/2013	Pavel Kazi

LMR No.	Levee Mile		Category	Item	Location * + Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End					Start	End	
84	7.82	7.82		Encroachments	WS C Ma	TR : Tree or limb	38.405341 ° -121.542537 °	38.405341 ° -121.542537 °	54
DWR ID: DWR_RD0150_03_s_2012_54									
85	7.82	7.82		Encroachments	LS M Ma	EQ : Equipment	38.405342 ° -121.542553 °	38.405342 ° -121.542553 °	16
DWR ID: DWR_RD0150_03_s_2012_16									
86	7.85	7.85		Encroachments	LS C Ma	PR : Prunings	38.405734 ° -121.542887 °	38.405734 ° -121.542887 °	81
DWR ID: DWR_RD0150_03_f_2012_81									
87	7.86	7.86		Trim / Thin Trees	WS M Ma	T2 : Thin trees to allow visibility of the ground and room to flood fight.	38.405850 ° -121.542956 °	38.405850 ° -121.542956 °	86
DWR ID: DWR_RD0150_03_s_2012_86									
88	8.03	8.25		Trim / Thin Trees	WS M Ma	T2 : Thin trees to allow visibility of the ground and room to flood fight.	38.408018 ° -121.541858 °	38.409151 ° -121.538463 °	82
DWR ID: DWR_RD0150_03_f_2012_82									
89	8.05	8.05		Encroachments	WS M En	PI : Pipe Inspector Comments: An abandoned pipe.	38.408342 ° -121.541580 °	38.408342 ° -121.541580 °	87
DWR ID: DWR_RD0150_03_s_2012_87									
90	8.46	8.46		Erosion / Bank Caving	WS M Ma	E1 : Note and monitor erosion site.	38.407960 ° -121.534898 °	38.407960 ° -121.534898 °	66
DWR ID: DWR_RD0150_03_s_2012_66									
91	8.48	8.48		Erosion / Bank Caving	WS M Ma	E1 : Note and monitor erosion site.	38.407958 ° -121.534583 °	38.407958 ° -121.534583 °	67
DWR ID: DWR_RD0150_03_s_2012_67									
92	8.52	8.52		Animal Control	WS M Ma	A1 : Exterminate rodents and backfill and compact or grout burrows.	38.408153 ° -121.533980 °	38.408153 ° -121.533980 °	89
DWR ID: DWR_RD0150_03_s_2012_89									
93	8.52	8.52		Encroachments	WS M En	PO : Pole	38.408155 ° -121.533982 °	38.408155 ° -121.533982 °	88
DWR ID: DWR_RD0150_03_s_2012_88									
94	8.52	8.62		Encroachments	LS M En	DT : Ditch Inspector Comments: Irrigation ditch in landside toe	38.408238 ° -121.533866 °	38.409291 ° -121.532702 °	69
DWR ID: DWR_RD0150_03_s_2012_69									
95	8.62	8.62		Trim / Thin Trees	LS N Ma	T5 : Tree stumps.	38.409220 ° -121.532801 °	38.409220 ° -121.532801 °	90
DWR ID: DWR_RD0150_03_s_2012_90									
96	8.65	8.65		Trim / Thin Trees	WS N Ma	T5 : Tree stumps.	38.409559 ° -121.532356 °	38.409559 ° -121.532356 °	55
DWR ID: DWR_RD0150_03_s_2012_55									
97	8.87	8.87		Encroachments	WS M Ma	DE : Debris	38.411593 ° -121.529143 °	38.411593 ° -121.529143 °	7
DWR ID: DWR_RD0150_03_s_2012_7									
98	9.35	9.35		Trim / Thin Trees	WS M Ma	T3 : Trim and thin trees to allow visibility of the ground and room to flood fight.	38.413433 ° -121.526180 °	38.413433 ° -121.526180 °	72
DWR ID: DWR_RD0150_03_s_2012_72									

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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2013**

**Reclamation District No. 0150 Merrit Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.58	03/12/2013 03/13/2013	Pavel Kazi

LMR No.	Levee Mile		Category	Item	* Location	** Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
99	9.38	9.38		Trim / Thin Trees	WS	N Ma	T5 : Tree stumps.	38.413268 ° -121.525929 °	38.413268 ° -121.525929 °	59 Y
DWR ID: DWR_RD0150_03_s_2012_59										
100	9.51	9.51		Trim / Thin Trees	WS	M Ma	T3 : Trim and thin trees to allow visibility of the ground and room to flood fight.	38.413169 ° -121.523707 °	38.413169 ° -121.523707 °	73 Y
DWR ID: DWR_RD0150_03_s_2012_73										
101	9.56	9.56		Trim / Thin Trees	WS	M Ma	T3 : Trim and thin trees to allow visibility of the ground and room to flood fight.	38.413649 ° -121.523087 °	38.413649 ° -121.523087 °	74 Y
DWR ID: DWR_RD0150_03_s_2012_74										
102	9.56	9.56		Encroachments	LS	M En	EQ : Equipment	38.413560 ° -121.522936 °	38.413560 ° -121.522936 °	950 Y
DWR ID: DWR_RD0150_03_s_2012_950										

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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2013**

**Reclamation District No. 0150 Merrit Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.58	03/12/2013 03/13/2013	Pavel Kazi

Levee Mile Report Line	1
Start Levee Mile	0.00
End Levee Mile	9.40
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey

USACE 2012 Photo #1

pkazi\_s\_20130304\_651.jpg



Levee Mile Report Line	1
Start Levee Mile	0.00
End Levee Mile	9.40
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey

USACE 2012 Photo #2

pkazi\_s\_20130304\_652.jpg



Levee Mile Report Line	1
Start Levee Mile	0.00
End Levee Mile	9.40
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey

USACE 2012 Photo #3

pkazi\_s\_20130304\_653.jpg



<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2013**

**Reclamation District No. 0150 Merrit Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.58	03/12/2013 03/13/2013	Pavel Kazi

Levee Mile Report Line	2
Start Levee Mile	0.11
End Levee Mile	0.11
Location	Water Side
Category	
Item	Vegetation

View of elderberry bush within 20 feet of shoulder blocking visibility and access.

pkazi\_s\_20130304\_669.jpg



Levee Mile Report Line	3
Start Levee Mile	0.31
End Levee Mile	0.64
Location	Land Side
Category	
Item	Vegetation

Vegetation was found on the landside slope of the levee looking upstream.

pkazi\_s\_20130320\_915.JPG



Levee Mile Report Line	4
Start Levee Mile	0.31
End Levee Mile	0.64
Location	Water Side
Category	
Item	Vegetation

Vegetation was found on the waterside slope of the levee looking downstream during spring 2013 inspection.

pkazi\_s\_20130320\_914.JPG



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En : Enforcement



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2013**

**Reclamation District No. 0150 Merrit Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.58	03/12/2013 03/13/2013	Pavel Kazi

Levee Mile Report Line	5
Start Levee Mile	0.36
End Levee Mile	0.36
Location	Water Side
Category	
Item	Encroachments

View of steps, a dock, and associated utilities on the waterward slope.

pkazi\_s\_20130304\_577.jpg



Levee Mile Report Line	7
Start Levee Mile	0.56
End Levee Mile	0.56
Location	Water Side
Category	
Item	Trim / Thin Trees

View of trees and bushes within 20 feet of the shoulder blocking visibility and access.

pkazi\_s\_20130304\_670.jpg



Levee Mile Report Line	8
Start Levee Mile	0.67
End Levee Mile	1.01
Location	Water Side
Category	
Item	Vegetation

Vegetation was found on the waterside slope of the levee looking upstream during spring 2013 inspection.

pkazi\_s\_20130320\_916.JPG



<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2013**

**Reclamation District No. 0150 Merrit Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.58	03/12/2013 03/13/2013	Pavel Kazi

Levee Mile Report Line	9
Start Levee Mile	0.67
End Levee Mile	1.01
Location	Land Side
Category	
Item	Vegetation

Vegetation was found on the landside slope of the levee looking upstream during spring 2013 inspection.

pkazi\_s\_20130320\_917.JPG



Levee Mile Report Line	10
Start Levee Mile	0.92
End Levee Mile	0.95
Location	Land Side
Category	
Item	Vegetation

View of elderberries on the landward slope blocking visibility and access.

pkazi\_s\_20130304\_579.jpg



Levee Mile Report Line	11
Start Levee Mile	1.52
End Levee Mile	2.10
Location	Land Side
Category	
Item	Vegetation

Vegetation was found on the landside slope of the levee looking upstream during spring 2013 inspection.

pkazi\_s\_20130320\_918.JPG



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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2013**

**Reclamation District No. 0150 Merrit Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.58	03/12/2013 03/13/2013	Pavel Kazi

Levee Mile Report Line	12
Start Levee Mile	1.61
End Levee Mile	2.13
Location	Water Side
Category	
Item	Trim / Thin Trees

Trees were completely blocking the visibility on the waterside slope of the levee looking upstream during spring 2013 inspection.

pkazi\_s\_20130320\_919.JPG



Levee Mile Report Line	13
Start Levee Mile	1.82
End Levee Mile	1.82
Location	Water Side
Category	
Item	Erosion / Bank Caving

Erosion was found on the waterside slope of the levee near the vicinity of the pipe. The picture was taken from the crown looking downstream.

pkazi\_s\_20130304\_615.jpg



Levee Mile Report Line	14
Start Levee Mile	2.34
End Levee Mile	2.34
Location	Land Side
Category	
Item	Encroachments

New tree has been planted on the landside slope of the levee looking upstream.

pkazi\_s\_20130304\_648.jpg



**\* Location**

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WS : Water Side  
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**+ Issue Type**

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Ob : Design & System Obsolescence  
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2013**

**Reclamation District No. 0150 Merrit Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.58	03/12/2013 03/13/2013	Pavel Kazi

Levee Mile Report Line	14
Start Levee Mile	2.34
End Levee Mile	2.34
Location	Land Side
Category	
Item	Encroachments
New tree was planted on the landside of the levee looking downstream.	
pkazi_s_20130304_649.jpg	



Levee Mile Report Line	14
Start Levee Mile	2.34
End Levee Mile	2.34
Location	Land Side
Category	
Item	Encroachments
New tree was found on the landside shoulder of the levee looking downstream. This picture was taken during fall 2012 inspection.	
pkazi_s_20130304_650.jpg	



Levee Mile Report Line	15
Start Levee Mile	2.60
End Levee Mile	2.60
Location	Land Side
Category	
Item	Trim / Thin Trees
View of tree stumps on the landward slope.	
pkazi_s_20130304_583.jpg	

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**+ Issue Type**

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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2013**

**Reclamation District No. 0150 Merrit Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.58	03/12/2013 03/13/2013	Pavel Kazi

Levee Mile Report Line	16
Start Levee Mile	2.71
End Levee Mile	2.71
Location	Water Side
Category	
Item	Encroachments

A pipe was found on the waterside shoulder of the levee looking downstream during spring 2013 inspection.

pkazi\_s\_20130320\_920.JPG



Levee Mile Report Line	17
Start Levee Mile	2.86
End Levee Mile	2.86
Location	Water Side
Category	
Item	Erosion / Bank Caving

Erosion was found on the waterside slope of the levee looking downstream during spring 2013 inspection.

pkazi\_s\_20130320\_921.JPG



Levee Mile Report Line	18
Start Levee Mile	2.87
End Levee Mile	2.87
Location	Water Side
Category	
Item	Trim / Thin Trees

View of tree stumps on the waterward slope.

pkazi\_s\_20130304\_591.jpg



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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2013**

**Reclamation District No. 0150 Merrit Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.58	03/12/2013 03/13/2013	Pavel Kazi

Levee Mile Report Line	19
Start Levee Mile	2.93
End Levee Mile	2.93
Location	Water Side
Category	
Item	Slope Stability

Slope instability was found on the waterside of the levee. The picture was taken from the crown looking towards the toe of the levee.

pkazi\_s\_20130304\_645.jpg



Levee Mile Report Line	19
Start Levee Mile	2.93
End Levee Mile	2.93
Location	Water Side
Category	
Item	Slope Stability

Erosion was found on the waterside of the levee looking upstream. This picture was taken during spring 2012 inspection.

pkazi\_s\_20130304\_646.jpg



Levee Mile Report Line	20
Start Levee Mile	2.93
End Levee Mile	2.93
Location	Crown
Category	
Item	Crown Surface / Depressions / Rutting

Depression was found on the crown of the levee looking downstream.

pkazi\_s\_20130304\_644.jpg



**\* Location**

LS : Land Side  
WS : Water Side  
CR : Crown

**\*\* Rating**

A : Acceptable  
M : Minimally Acceptable  
U : Unacceptable  
N : Not Inspected/Rated  
C : Corrected  
A/W : Acceptable but Monitor & Maintain

**+ Issue Type**

Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2013**

**Reclamation District No. 0150 Merrit Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.58	03/12/2013 03/13/2013	Pavel Kazi

Levee Mile Report Line	22
Start Levee Mile	3.18
End Levee Mile	3.18
Location	Water Side
Category	
Item	Trim / Thin Trees

View of tree stumps on the waterward slope.

pkazi\_s\_20130304\_592.jpg



Levee Mile Report Line	23
Start Levee Mile	3.21
End Levee Mile	3.21
Location	Water Side
Category	
Item	Trim / Thin Trees

View of tree stumps on the waterward slope.

pkazi\_s\_20130304\_593.jpg



Levee Mile Report Line	25
Start Levee Mile	3.31
End Levee Mile	3.31
Location	Crown
Category	
Item	Crown Surface / Depressions / Rutting

Crown depression was found on the access road looking downstream.

pkazi\_s\_20130304\_660.jpg



**\* Location**

LS : Land Side  
WS : Water Side  
CR : Crown

**\*\* Rating**

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M : Minimally Acceptable  
U : Unacceptable  
N : Not Inspected/Rated  
C : Corrected  
A/W : Acceptable but Monitor & Maintain

**+ Issue Type**

Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2013**

**Reclamation District No. 0150 Merrit Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.58	03/12/2013 03/13/2013	Pavel Kazi

Levee Mile Report Line	26
Start Levee Mile	3.34
End Levee Mile	3.34
Location	Land Side
Category	
Item	Animal Control
Rodent holes were found on the landside of the levee looking downstream.	
pkazi_s_20130304_639.jpg	



Levee Mile Report Line	26
Start Levee Mile	3.34
End Levee Mile	3.34
Location	Land Side
Category	
Item	Animal Control
Animal holes were found on the landside shoulder of the levee. This picture was taken from the crown looking towards the landside of the levee during fall 2012 inspection.	
pkazi_s_20130304_640.jpg	



Levee Mile Report Line	27
Start Levee Mile	3.34
End Levee Mile	3.34
Location	Land Side
Category	
Item	Encroachments
Material was found on the landside of the levee looking downstream.	
pkazi_s_20130304_641.jpg	



<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2013**

**Reclamation District No. 0150 Merrit Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.58	03/12/2013 03/13/2013	Pavel Kazi

Levee Mile Report Line	28
Start Levee Mile	3.34
End Levee Mile	3.34
Location	Land Side
Category	
Item	Encroachments
An abandoned pipe was located on the landside of the levee. The picture was taken from the crown looking downstream.	
pkazi_s_20130304_606.jpg	



Levee Mile Report Line	29
Start Levee Mile	3.37
End Levee Mile	3.37
Location	Water Side
Category	
Item	Erosion / Bank Caving
Erosion was found on the waterside toe of the levee looking upstream during spring 2013 inspection.	
pkazi_s_20130320_922.JPG	



Levee Mile Report Line	30
Start Levee Mile	3.41
End Levee Mile	3.41
Location	Water Side
Category	
Item	Trim / Thin Trees
View of tree stumps on the waterside slope looking upstream.	
pkazi_s_20130304_598.jpg	

**\* Location**

LS : Land Side  
WS : Water Side  
CR : Crown

**\*\* Rating**

A : Acceptable  
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**+ Issue Type**

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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2013**

**Reclamation District No. 0150 Merrit Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.58	03/12/2013 03/13/2013	Pavel Kazi

Levee Mile Report Line	31
Start Levee Mile	3.47
End Levee Mile	3.47
Location	Water Side
Category	
Item	Erosion / Bank Caving

Erosion was found on the waterside of the levee looking downstream.

pkazi\_s\_20130304\_662.jpg



Levee Mile Report Line	32
Start Levee Mile	3.50
End Levee Mile	3.54
Location	Land Side
Category	
Item	Vegetation

Landscaping & garden on landward slope of levee at LM 3.50 to LM 3.54.

pkazi\_s\_20130304\_610.JPG



Levee Mile Report Line	33
Start Levee Mile	3.51
End Levee Mile	3.51
Location	Land Side
Category	
Item	Encroachments

Equipment was found on the landside of the levee looking downstream.

pkazi\_s\_20130304\_661.jpg



**\* Location**

LS : Land Side  
WS : Water Side  
CR : Crown

**\*\* Rating**

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**+ Issue Type**

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Ob : Design & System Obsolescence  
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2013**

**Reclamation District No. 0150 Merrit Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.58	03/12/2013 03/13/2013	Pavel Kazi

Levee Mile Report Line	34
Start Levee Mile	3.75
End Levee Mile	3.75
Location	Land Side
Category	
Item	Slope Stability
Repair minor damage to levee slope along landward ramp at LM 3.75.	
pkazi_s_20130304_663.jpg	



Levee Mile Report Line	34
Start Levee Mile	3.75
End Levee Mile	3.75
Location	Land Side
Category	
Item	Slope Stability
Slope instability possible due to vehicular traffic on the landside of the levee. The picture was taken from the crown looking upstream during Spring 2011 inspection.	
pkazi_s_20130304_664.jpg	



Levee Mile Report Line	35
Start Levee Mile	3.77
End Levee Mile	3.77
Location	Water Side
Category	
Item	Slope Stability
Slope instability was repaired by the LMA on the waterside slope of the levee looking downstream.	
pkazi_s_20130320_924.JPG	



<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable  N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2013**

**Reclamation District No. 0150 Merrit Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.58	03/12/2013 03/13/2013	Pavel Kazi

Levee Mile Report Line	37
Start Levee Mile	3.79
End Levee Mile	3.79
Location	Water Side
Category	
Item	Animal Control

An animal hole was found on the waterside shoulder of the levee looking upstream during spring 2013 inspection.

pkazi\_s\_20130320\_923.JPG



Levee Mile Report Line	38
Start Levee Mile	3.95
End Levee Mile	3.95
Location	Land Side
Category	
Item	Encroachments

Debris pile on landward slope at LM 3.95.

pkazi\_s\_20130304\_611.JPG



Levee Mile Report Line	38
Start Levee Mile	3.95
End Levee Mile	3.95
Location	Land Side
Category	
Item	Encroachments

Updated view of material piled at the toe of the levee as of fall 2009.

pkazi\_s\_20130304\_612.jpg



**\* Location**

LS : Land Side  
WS : Water Side  
CR : Crown

**\*\* Rating**

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A/W : Acceptable but Monitor & Maintain

**+ Issue Type**

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Ob : Design & System Obsolescence  
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2013**

**Reclamation District No. 0150 Merrit Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.58	03/12/2013 03/13/2013	Pavel Kazi

Levee Mile Report Line	38
Start Levee Mile	3.95
End Levee Mile	3.95
Location	Land Side
Category	
Item	Encroachments
Debris found on the landside of the levee during Spring 2011 inspection. The picture was taken from the crown looking upstream.	
pkazi_s_20130304_613.jpg	



Levee Mile Report Line	40
Start Levee Mile	4.35
End Levee Mile	4.35
Location	Water Side
Category	
Item	Trim / Thin Trees
View of tree stumps on the waterward slope.	
pkazi_s_20130304_605.jpg	



Levee Mile Report Line	41
Start Levee Mile	4.46
End Levee Mile	4.46
Location	Land Side
Category	
Item	Encroachments
Remove pruning pile on landward slope at LM 4.46.	
pkazi_s_20130304_616.JPG	



<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2013**

**Reclamation District No. 0150 Merrit Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.58	03/12/2013 03/13/2013	Pavel Kazi

Levee Mile Report Line	41
Start Levee Mile	4.46
End Levee Mile	4.46
Location	Land Side
Category	
Item	Encroachments

Pruning was found on the landside of the levee looking downstream.

pkazi\_s\_20130304\_617.jpg



Levee Mile Report Line	41
Start Levee Mile	4.46
End Levee Mile	4.46
Location	Land Side
Category	
Item	Encroachments

Pruning was found on the landside of the levee looking upstream. This picture was taken during fall 2012 inspection.

pkazi\_s\_20130304\_618.jpg



Levee Mile Report Line	42
Start Levee Mile	4.51
End Levee Mile	4.51
Location	Land Side
Category	
Item	Encroachments

Tree branches were found on the toe of landside of the levee. The picture was taken from the crown looking downstream.

pkazi\_s\_20130304\_619.jpg



**\* Location**

LS : Land Side  
WS : Water Side  
CR : Crown

**\*\* Rating**

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**+ Issue Type**

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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2013**

**Reclamation District No. 0150 Merrit Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.58	03/12/2013 03/13/2013	Pavel Kazi

Levee Mile Report Line	44
Start Levee Mile	4.95
End Levee Mile	4.95
Location	Crown
Category	
Item	Crown Surface / Depressions / Rutting
Crown depressions were found during spring 2013 inspection looking upstream.	
pkazi_s_20130320_925.JPG	



Levee Mile Report Line	45
Start Levee Mile	4.98
End Levee Mile	4.98
Location	Land Side
Category	
Item	Encroachments
Equipment on the landside toe of the levee. The picture was taken from crown looking downstream.	
pkazi_s_20130304_582.jpg	



Levee Mile Report Line	46
Start Levee Mile	5.08
End Levee Mile	5.08
Location	Water Side
Category	
Item	Slope Stability
Slope instability was found on the waterside of the levee looking upstream.	
pkazi_s_20130304_604.jpg	



<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable  N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2013**

**Reclamation District No. 0150 Merrit Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.58	03/12/2013 03/13/2013	Pavel Kazi

Levee Mile Report Line	47
Start Levee Mile	5.13
End Levee Mile	5.13
Location	Water Side
Category	
Item	Slope Stability

Slope instability was found on the waterside of the levee looking upstream.

pkazi\_s\_20130304\_578.jpg



Levee Mile Report Line	49
Start Levee Mile	5.22
End Levee Mile	5.22
Location	Crown
Category	
Item	Crown Surface / Depressions / Rutting

View of varying elevations in the crown of the levee at the transition from county road to access road.

pkazi\_s\_20130304\_671.jpg



Levee Mile Report Line	50
Start Levee Mile	5.61
End Levee Mile	5.61
Location	Land Side
Category	
Item	Encroachments

Prunings were found on the landside of the levee looking upstream.

pkazi\_s\_20130304\_584.jpg



**\* Location**

LS : Land Side  
WS : Water Side  
CR : Crown

**\*\* Rating**

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N : Not Inspected/Rated  
C : Corrected  
A/W : Acceptable but Monitor & Maintain

**+ Issue Type**

Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2013**

**Reclamation District No. 0150 Merrit Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.58	03/12/2013 03/13/2013	Pavel Kazi

Levee Mile Report Line	50
Start Levee Mile	5.61
End Levee Mile	5.61
Location	Land Side
Category	
Item	Encroachments

Pruning was found on the landside toe of the levee looking upstream. This picture was taken during fall 2012 inspection.

pkazi\_s\_20130304\_585.jpg



Levee Mile Report Line	50
Start Levee Mile	5.61
End Levee Mile	5.61
Location	Land Side
Category	
Item	Encroachments

Updated picture of debris and pruning on the landside toe of the levee looking upstream. This picture was taken during spring 2013 inspection.

pkazi\_s\_20130320\_926.JPG



Levee Mile Report Line	51
Start Levee Mile	5.66
End Levee Mile	5.66
Location	Water Side
Category	
Item	Trim / Thin Trees

Tree stump was found on the waterside of the levee looking upstream.

pkazi\_s\_20130304\_638.jpg



**\* Location**

LS : Land Side  
WS : Water Side  
CR : Crown

**\*\* Rating**

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U : Unacceptable  
N : Not Inspected/Rated  
C : Corrected  
A/W : Acceptable but Monitor & Maintain

**+ Issue Type**

Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2013**

**Reclamation District No. 0150 Merrit Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.58	03/12/2013 03/13/2013	Pavel Kazi

Levee Mile Report Line	53
Start Levee Mile	5.84
End Levee Mile	5.84
Location	Crown
Category	
Item	Trim / Thin Trees
Tree limbs were obstructing the levee roadway during spring 2013 inspection. This picture was taken from the crown looking upstream.	
pkazi_s_20130320_927.JPG	



Levee Mile Report Line	54
Start Levee Mile	5.88
End Levee Mile	5.88
Location	Water Side
Category	
Item	Vegetation
Wild growth was found on the waterside slope of the levee looking upstream.	
pkazi_s_20130304_599.jpg	



Levee Mile Report Line	55
Start Levee Mile	5.89
End Levee Mile	5.94
Location	Land Side
Category	
Item	Encroachments
View of fence around a horse pen along the shoulder of the levee and the landward slope.	
pkazi_s_20130304_622.jpg	

**\* Location**

LS : Land Side  
WS : Water Side  
CR : Crown

**\*\* Rating**

A : Acceptable  
M : Minimally Acceptable  
U : Unacceptable  
N : Not Inspected/Rated  
C : Corrected  
A/W : Acceptable but Monitor & Maintain

**+ Issue Type**

Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2013**

**Reclamation District No. 0150 Merrit Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.58	03/12/2013 03/13/2013	Pavel Kazi

Levee Mile Report Line	56
Start Levee Mile	5.93
End Levee Mile	5.93
Location	Land Side
Category	
Item	Encroachments

View of a tree trunk lying on the landward slope blocking visibility.

pkazi\_s\_20130304\_623.jpg



Levee Mile Report Line	57
Start Levee Mile	5.93
End Levee Mile	5.93
Location	Crown
Category	
Item	Encroachments

Building & associated landscaping on levee crown at LM 5.93.

pkazi\_s\_20130304\_624.JPG



Levee Mile Report Line	58
Start Levee Mile	6.01
End Levee Mile	6.09
Location	Land Side
Category	
Item	Vegetation

Landscaping was found on the landside of the levee looking upstream.

pkazi\_s\_20130304\_594.jpg



**\* Location**

LS : Land Side  
WS : Water Side  
CR : Crown

**\*\* Rating**

A : Acceptable  
M : Minimally Acceptable  
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A/W : Acceptable but Monitor & Maintain

**+ Issue Type**

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Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2013**

**Reclamation District No. 0150 Merrit Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.58	03/12/2013 03/13/2013	Pavel Kazi

Levee Mile Report Line	59
Start Levee Mile	6.05
End Levee Mile	6.05
Location	Water Side
Category	
Item	Trim / Thin Trees
Tree trunks and vegetation was obstructing the visibility on the waterside slope of the levee looking downstream.	
pkazi_s_20130304_603.jpg	



Levee Mile Report Line	60
Start Levee Mile	6.06
End Levee Mile	6.06
Location	Water Side
Category	
Item	Encroachments
View of an improperly abandoned pipe through the levee looking upstream.	
pkazi_s_20130304_609.jpg	



Levee Mile Report Line	61
Start Levee Mile	6.14
End Levee Mile	6.14
Location	Water Side
Category	
Item	Encroachments
An abandoned dock was found on the waterside of the levee looking upstream.	
pkazi_s_20130304_608.jpg	



<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2013**

**Reclamation District No. 0150 Merrit Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.58	03/12/2013 03/13/2013	Pavel Kazi

Levee Mile Report Line	63
Start Levee Mile	6.24
End Levee Mile	6.31
Location	Land Side
Category	
Item	Vegetation
Oleander on landward slope blocking view of levee from LM 6.24 to 6.32	
pkazi_s_20130304_596.jpg	



Levee Mile Report Line	64
Start Levee Mile	6.34
End Levee Mile	6.34
Location	Water Side
Category	
Item	Trim / Thin Trees
View of tree stumps on the waterward slope.	
pkazi_s_20130304_614.jpg	



Levee Mile Report Line	66
Start Levee Mile	6.37
End Levee Mile	6.40
Location	Land Side
Category	
Item	Vegetation
Landscaping on landward slope blocking view from LM 6.37 to 6.40	
pkazi_s_20130304_597.jpg	



<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable  N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2013**

**Reclamation District No. 0150 Merrit Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.58	03/12/2013 03/13/2013	Pavel Kazi

Levee Mile Report Line	67
Start Levee Mile	6.49
End Levee Mile	6.49
Location	Water Side
Category	
Item	Trim / Thin Trees

Vegetation on the waterside of the levee looking downstream.

pkazi\_s\_20130304\_631.jpg



Levee Mile Report Line	67
Start Levee Mile	6.49
End Levee Mile	6.49
Location	Water Side
Category	
Item	Trim / Thin Trees

Tree was blocking the visibility on the waterside of the levee looking upstream. This picture was taken during fall 2012 inspection.

pkazi\_s\_20130304\_632.jpg



Levee Mile Report Line	68
Start Levee Mile	6.56
End Levee Mile	6.56
Location	Land Side
Category	
Item	Vegetation

View of landscaping along the landward slope.

pkazi\_s\_20130304\_626.jpg



**\* Location**

LS : Land Side  
WS : Water Side  
CR : Crown

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**+ Issue Type**

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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2013**

**Reclamation District No. 0150 Merrit Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.58	03/12/2013 03/13/2013	Pavel Kazi

Levee Mile Report Line	69
Start Levee Mile	6.61
End Levee Mile	6.61
Location	Water Side
Category	
Item	Slope Stability

Slope instability was found on the waterside of the levee looking downstream.

pkazi\_s\_20130304\_607.jpg



Levee Mile Report Line	70
Start Levee Mile	6.64
End Levee Mile	6.64
Location	Land Side
Category	
Item	Encroachments

Pruning was found on the landside of the levee looking upstream.

pkazi\_s\_20130304\_647.jpg



Levee Mile Report Line	71
Start Levee Mile	6.87
End Levee Mile	6.95
Location	Land Side
Category	
Item	Vegetation

Landscaping on landward slope blocking view from LM 6.87 to 6.95

pkazi\_s\_20130304\_600.jpg



**\* Location**

LS : Land Side  
WS : Water Side  
CR : Crown

**\*\* Rating**

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U : Unacceptable  
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C : Corrected  
A/W : Acceptable but Monitor & Maintain

**+ Issue Type**

Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2013**

**Reclamation District No. 0150 Merrit Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.58	03/12/2013 03/13/2013	Pavel Kazi

Levee Mile Report Line	72
Start Levee Mile	6.93
End Levee Mile	6.95
Location	Land Side
Category	
Item	Encroachments
Fence was found on the landside of the levee looking downstream.	
pkazi_s_20130304_586.jpg	



Levee Mile Report Line	73
Start Levee Mile	6.98
End Levee Mile	7.04
Location	Land Side
Category	
Item	Vegetation
View of the landscape on the landside shoulder of the levee looking downstream.	
pkazi_s_20130320_928.JPG	



Levee Mile Report Line	75
Start Levee Mile	7.02
End Levee Mile	7.02
Location	Water Side
Category	
Item	Erosion / Bank Caving
Updated erosion site picture on the waterside slope of the levee looking upstream during Spring 2011 inspection.	
pkazi_s_20130304_627.jpg	

**\* Location**

LS : Land Side  
WS : Water Side  
CR : Crown

**\*\* Rating**

A : Acceptable  
M : Minimally Acceptable  
U : Unacceptable  
N : Not Inspected/Rated  
C : Corrected  
A/W : Acceptable but Monitor & Maintain

**+ Issue Type**

Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2013**

**Reclamation District No. 0150 Merrit Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.58	03/12/2013 03/13/2013	Pavel Kazi

Levee Mile Report Line	75
Start Levee Mile	7.02
End Levee Mile	7.02
Location	Water Side
Category	
Item	Erosion / Bank Caving

Erosion was found on the waterside of the levee looking downstream. This picture was taken during fall 2011 inspection.

pkazi\_s\_20130304\_628.jpg



Levee Mile Report Line	75
Start Levee Mile	7.02
End Levee Mile	7.02
Location	Water Side
Category	
Item	Erosion / Bank Caving

Erosion on the waterside of the levee looking upstream. This picture was taken during spring 2012 inspection.

pkazi\_s\_20130304\_629.jpg



Levee Mile Report Line	75
Start Levee Mile	7.02
End Levee Mile	7.02
Location	Water Side
Category	
Item	Erosion / Bank Caving

Erosion was found on the waterside slope of the levee looking downstream. This updated picture was taken during fall 2012 inspection.

pkazi\_s\_20130304\_630.jpg



**\* Location**

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WS : Water Side  
CR : Crown

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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2013**

**Reclamation District No. 0150 Merrit Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.58	03/12/2013 03/13/2013	Pavel Kazi

Levee Mile Report Line	76
Start Levee Mile	7.06
End Levee Mile	7.09
Location	Land Side
Category	
Item	Vegetation

Landscaping was found on the landside shoulder of the levee looking upstream.

pkazi\_s\_20130320\_929.JPG



Levee Mile Report Line	77
Start Levee Mile	7.39
End Levee Mile	7.39
Location	Water Side
Category	
Item	Vegetation

Landscaping on the waterside of the levee. The picture was taken from the crown looking upstream.

pkazi\_s\_20130304\_634.jpg



Levee Mile Report Line	78
Start Levee Mile	7.42
End Levee Mile	7.47
Location	Land Side
Category	
Item	Vegetation

Landscaping on landward slope blocking view from LM 7.42 to 7.47

pkazi\_s\_20130304\_601.jpg



**\* Location**

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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2013**

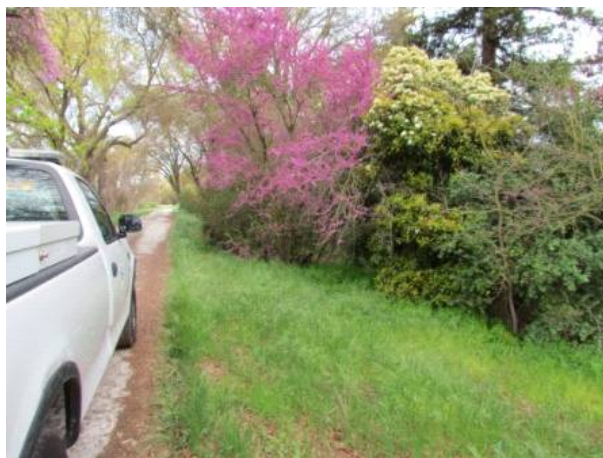
**Reclamation District No. 0150 Merrit Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.58	03/12/2013 03/13/2013	Pavel Kazi

Levee Mile Report Line	78
Start Levee Mile	7.42
End Levee Mile	7.47
Location	Land Side
Category	
Item	Vegetation

Vegetation on the landside of the levee looking upstream. This picture was taken during spring 2012 inspection.

pkazi\_s\_20130304\_602.jpg



Levee Mile Report Line	79
Start Levee Mile	7.50
End Levee Mile	7.50
Location	Land Side
Category	
Item	Trim / Thin Trees

View of a tree stump on the landward slope.

pkazi\_s\_20130304\_633.jpg



Levee Mile Report Line	80
Start Levee Mile	7.54
End Levee Mile	7.54
Location	Land Side
Category	
Item	Vegetation

Landscaping was found on the landside shoulder of the levee looking upstream.

pkazi\_s\_20130304\_655.jpg



**\* Location**

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CR : Crown

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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2013**

**Reclamation District No. 0150 Merrit Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.58	03/12/2013 03/13/2013	Pavel Kazi

Levee Mile Report Line	81
Start Levee Mile	7.58
End Levee Mile	7.58
Location	Land Side
Category	
Item	Vegetation

Landscaping was blocking the visibility on the landside of the levee looking downstream.

pkazi\_s\_20130304\_665.jpg



Levee Mile Report Line	82
Start Levee Mile	7.60
End Levee Mile	7.60
Location	Land Side
Category	
Item	Encroachments

Prunings located on the toe of landward side of the levee. The picture was taken from the crown looking upstream.

pkazi\_s\_20130304\_666.jpg



Levee Mile Report Line	82
Start Levee Mile	7.60
End Levee Mile	7.60
Location	Land Side
Category	
Item	Encroachments

Prunings were found on the landside of the levee looking upstream. This picture was taken during fall 2011 inspection.

pkazi\_s\_20130304\_667.jpg



**\* Location**

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CR : Crown

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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2013**

**Reclamation District No. 0150 Merrit Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.58	03/12/2013 03/13/2013	Pavel Kazi

Levee Mile Report Line	82
Start Levee Mile	7.60
End Levee Mile	7.60
Location	Land Side
Category	
Item	Encroachments

Prunings were found on the landside of the levee looking upstream.

pkazi\_s\_20130304\_668.jpg



Levee Mile Report Line	85
Start Levee Mile	7.82
End Levee Mile	7.82
Location	Land Side
Category	
Item	Encroachments

Equipment was found on the landside of the levee looking upstream.

pkazi\_s\_20130304\_590.jpg



Levee Mile Report Line	87
Start Levee Mile	7.86
End Levee Mile	7.86
Location	Water Side
Category	
Item	Trim / Thin Trees

Tree branches were blocking the visibility of the waterside of the levee looking upstream.

pkazi\_s\_20130304\_656.jpg



<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2013**

**Reclamation District No. 0150 Merrit Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.58	03/12/2013 03/13/2013	Pavel Kazi

Levee Mile Report Line	88
Start Levee Mile	8.03
End Levee Mile	8.25
Location	Water Side
Category	
Item	Trim / Thin Trees

Trees were obstructing the visibility on the waterside toe of the levee looking upstream. This picture was taken during spring 2013 inspection.

pkazi\_s\_20130320\_930.JPG



Levee Mile Report Line	89
Start Levee Mile	8.05
End Levee Mile	8.05
Location	Water Side
Category	
Item	Encroachments

An abandoned pipe was found on the waterside of the levee looking upstream.

pkazi\_s\_20130304\_657.jpg



Levee Mile Report Line	90
Start Levee Mile	8.46
End Levee Mile	8.46
Location	Water Side
Category	
Item	Erosion / Bank Caving

Repair erosion on waterward slope near shoulder at LM 8.46.

pkazi\_s\_20130304\_635.JPG



<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2013**

**Reclamation District No. 0150 Merrit Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.58	03/12/2013 03/13/2013	Pavel Kazi

Levee Mile Report Line	91
Start Levee Mile	8.48
End Levee Mile	8.48
Location	Water Side
Category	
Item	Erosion / Bank Caving

Slope instability on the waterside slope of the levee. The picture was taken from the crown looking upstream.

pkazi\_s\_20130304\_636.jpg



Levee Mile Report Line	91
Start Levee Mile	8.48
End Levee Mile	8.48
Location	Water Side
Category	
Item	Erosion / Bank Caving

Slope instability was found on the waterside shoulder of the levee looking upstream. This picture was taken during fall 2012 inspection.

pkazi\_s\_20130304\_637.jpg



Levee Mile Report Line	92
Start Levee Mile	8.52
End Levee Mile	8.52
Location	Water Side
Category	
Item	Animal Control

A rodent hole was found on the waterside of the levee looking upstream.

pkazi\_s\_20130304\_658.jpg



**\* Location**

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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2013**

**Reclamation District No. 0150 Merrit Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.58	03/12/2013 03/13/2013	Pavel Kazi

Levee Mile Report Line	95
Start Levee Mile	8.62
End Levee Mile	8.62
Location	Land Side
Category	
Item	Trim / Thin Trees
A tree stump was found on the landside of the levee looking upstream.	
pkazi_s_20130304_659.jpg	



Levee Mile Report Line	96
Start Levee Mile	8.65
End Levee Mile	8.65
Location	Water Side
Category	
Item	Trim / Thin Trees
A tree stump was found on the waterside of the levee looking upstream.	
pkazi_s_20130304_621.jpg	



Levee Mile Report Line	97
Start Levee Mile	8.87
End Levee Mile	8.87
Location	Water Side
Category	
Item	Encroachments
Broken concrete pipe was left on the waterside slope of the levee. The picture was taken from the crown looking upstream.	
pkazi_s_20130304_580.jpg	



<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2013**

**Reclamation District No. 0150 Merrit Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.58	03/12/2013 03/13/2013	Pavel Kazi

Levee Mile Report Line	98
Start Levee Mile	9.35
End Levee Mile	9.35
Location	Water Side
Category	
Item	Trim / Thin Trees

Trees needed to be trimmed for visibility of the waterside slope of the levee. The picture was taken from the crown looking towards the slough.

pkazi\_s\_20130304\_642.jpg



Levee Mile Report Line	99
Start Levee Mile	9.38
End Levee Mile	9.38
Location	Water Side
Category	
Item	Trim / Thin Trees

A tree stump was found on the waterside of the levee looking upstream.

pkazi\_s\_20130304\_625.jpg



Levee Mile Report Line	100
Start Levee Mile	9.51
End Levee Mile	9.51
Location	Water Side
Category	
Item	Trim / Thin Trees

Thin/trim trees to allow for visibility of top 20' of waterward slope at LM 9.51.

pkazi\_s\_20130304\_643.JPG



<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2013**

**Reclamation District No. 0150 Merrit Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.58	03/12/2013 03/13/2013	Pavel Kazi

Levee Mile Report Line	102
Start Levee Mile	9.56
End Levee Mile	9.56
Location	Land Side
Category	
Item	Encroachments

Equipment was found on the landside of the levee looking downstream.

pkazi\_s\_20130304\_672.jpg



<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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